© Siemens AG 2010



# ALPHA Distribution Boards and Terminal Blocks

**Catalog ET A1 · 2010**




Answers for infrastructure.

SIEMENS

© Siemens AG 2010

## Related catalogs

## Contents

**ALPHA Distribution Boards and Terminal Blocks** ET A1
Order No.:
PDF only: (E86060-K8210-A101-B2-7600)



ALPHA SIMBOX Small Distribution Boards • ALPHA 160 - DIN Wall-Mounted Distribution Boards • ALPHA 400 - DIN Wall-Mounted Distribution Boards • ALPHA 630 - DIN Floor-Mounted Distribution Boards • ALPHA AS Modular Cabinets • ALPHA 400-ZS Meter Cabinets • ALPHA BOX • ALPHA 8HP Molded-Plastic Distribution Systems • ALPHA SELECT Planning and Configuration • ALPHA FIX Terminal Blocks: Screw Terminals, Spring-Type Terminals, iPo Plug-In Terminals, Plug-In Terminals, Combination Plug-In Terminals, Insulation Displacement Terminals, Accessories

**ALPHA 400-ZS Meter Cabinets** ET A2
Order No.:
Regional catalogs available on request (available in German only)



Region Z1 • Region Z2 • Region Z3 • Region Z4

**BETA Low-Voltage Circuit Protection** ET B1
Order No.:
PDF only: (E86060-K8220-A101-B3-7600)



*Contactors*: Miniature Circuit Breakers • Residual Current Protective Devices • Low-Voltage Fuse Systems • SITOR Semiconductor Fuses • SR60 Busbar Systems • Overvoltage Protection Devices

*Switching*: Switches and Light Indicators • Switching Devices • Timers • Transformers, Bells and Socket Outlets

*Measuring*: Three-Phase Measuring Devices • Single-Phase Measuring Devices

*Monitoring*: Monitoring of Electrical Values • Monitoring of Plants and Devices

**GAMMA Building Management Systems** ET G1
Order No.:
PDF only: (E86060-K8230-A101-B3-7600)



Display, Operation • Output Devices • Input Devices • Combination Devices • Lighting • Sun Protection, Anti-Glare Protection, Utilization of Daylight • Heating, Cooling, Ventilation, Air-Conditioning • Load Management • Safety • Quick-Assembly Systems • Gateways, Interface Converters • Physical Sensors • Control and Automation Devices • System Products • System Accessories • Counters • GAMMA wave

**DELTA Switches and Socket Outlets** ET D1
Order No.:
PDF only: (E86060-K8240-A101-B3-7600)



i-system • DELTA line • DELTA vita • DELTA miro • DELTA profil • DELTA style • DELTA natur • m-system • Surface-Mounting Product Range • Switching/Pushbutton Control/Dimming • Motion Detectors • Shutter/Blind Controls • Room Temperature Controllers • Data and Communication Systems • Remote Control Systems • Smoke Detectors • GAMMA Bus Coupling Units

**The Offline Mall** CA 01
Order No.:
E86060-D4001-A510-C8-7600



All products of automation, drives and installation technology, including those in the catalogs listed above.

**The Online Mall**
Internet:
www.siemens.com/automation/mall



All products of automation, drives and installation technology, including those in the catalogs listed above.

**Catalog PDF**
Internet:
www.automation.siemens.com/infocenter



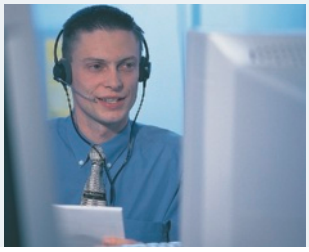

All catalogs for electrical installation technology can be downloaded as PDF files.

## Trademarks

All product designations may be registered trademarks or product names of Siemens AG or other supplying companies. Third parties using these trademarks or product names for their own purposes may infringe upon the rights of the trademark owners.

Further information about electrical installation is available on the Internet at:
www.siemens.com/et

## Technical Assistance



Expert technical assistance for Low-voltage controls and electrical installation.

Tel.: +49 (0) 180 5050 222 *
Fax: +49 (0) 180 5050 223 *

E-mail: support.automation@siemens.com

* € 0.14/minute from a German landline, call charges from mobile phones may vary

© Siemens AG 2010

# ALPHA Distribution Boards and Terminal Blocks

## Catalog ET A1 · 2010



VDE
VERBAND DER ELEKTROTECHNIK
ELEKTRONIK INFORMATIONSTECHNIK e.V.

The products and systems listed in this catalog are developed and manufactured in accordance with a VDE-certified quality management system complying with EN ISO 9001:2000.

Supersedes:
Catalog ET A1 · 2009/2010

Refer to the Industry Mall for current updates of this catalog
www.siemens.com/automation/mall

The products in this catalog can also be found in the electronic catalog CA 01.
Order No.:
E86060-D4001-A510-C8-7600

Contact your local Siemens sales office for further information.

© Siemens AG 2009

Distribution Boards

ALPHA SIMBOX Small Distribution Boards
SIMBOX 63, SIMBOX LC, SIMBOX WP — 1

ALPHA 160 - DIN Wall-Mounted Distribution Boards — 2

ALPHA 400 - DIN Wall-Mounted Distribution Boards — 3

ALPHA 630 - DIN Floor-Mounted Distribution Boards — 4

ALPHA AS Modular Distribution Boards — 5

ALPHA 400-ZS Meter Cabinets — 6

ALPHA BOX — 7

ALPHA 8HP Molded-Plastic Distribution Systems — 8

Planning and Configuration — 9

ALPHA FIX Terminal Blocks

Screw Terminals — 10

Terminals with Spring-Loaded Connection — 11

iPo Plug-In Terminals NEW — 12

Plug-In Terminals — 13

Combination Plug-In Terminals — 14

Insulation Displacement Terminals — 15

Accessories for Terminal Blocks — 16

Appendix — 17

© Siemens AG 2010







**Innovation is the key to success.**

We continue to invest heavily in the research and development of new technologies. We have our own experimental and test laboratories where we carry out intensive basic research on the climate in buildings and on fire, gas and explosion protection. This gives us the experience and the opportunity to create solutions that continuously flow into our new products and systems. At special test premises, such as airport buildings and hospitals, we test the interoperability of the individual systems. This empirical data is incorporated into industry-specific solutions that continually set new standards and underscore our claim to technological leadership.

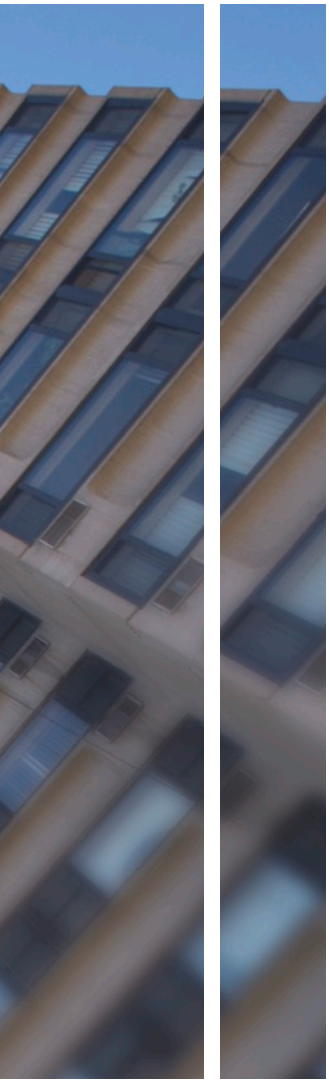
**Energy-efficiency and environmental protection is our business principle.**

And this business principle applies cross-company and to each and every employee: We are committed to environmental protection and the careful use of resources. Since 1994, we have been involved in more than 1300 energy efficiency projects, which have jointly contributed to the saving of around 1.5 billion euros in energy costs and reduced the annual $CO_2$ burden on the environment by approx. 700,000 t. So it's obvious that intelligent solutions in technical infrastructures benefit not only the owners and operators of buildings, but also those who have nothing to do with them.

**Close customer relations are our USP.**

This is not just a soundbite. We make every effort to ensure close customer relations. We have in-depth knowledge of their business and involve them in the development of our innovations. Our skills make us an expert provider of industry-specific solutions and services, a preferred partner during the life cycle of a building - and allow us to enjoy mutual growth with our customers.

© Siemens AG 2010



# Answers for Infrastructure.

**Siemens Industry meets the great challenges of our time head on. With solutions for technical infrastructure in industrial and non-residential buildings, residential buildings and public facilities, Siemens ensures enhanced comfort and energy efficiency in buildings, as well as the protection and safety of persons, property and business processes. As a longstanding and professional partner with all-round expertise in the industry sector, we offer tailored solutions that generate sustainable added value for our customers.**

**Gain a competitive edge - with integrated building solutions.**

Total Building Solutions means more innovation from a single source for enhanced functionality under one roof. When it comes to delivering turnkey buildings equipped with cutting edge power distribution, building automation and safety and fire-protection equipment from a single source, Siemens is in a league of its own. And just to show that we are more than the sum of our parts, our portfolio includes:

- *Electrical installation*
  Distribution boards and terminal blocks, low-voltage circuit protection, building management systems, switches and socket outlets
- *Building automation*
  Heating, ventilation and air-conditioning controls, overall energy solutions offering guaranteed savings
- *Safety solutions*
  Access control, video monitoring, burglar protection, alarm control centers, operation of alarm control centers
- *Fire protection*
  Fire alarms, alerting, evacuation, extinction and complete fire protection solutions

Take a closer look at all the options available from Siemens. Check out the opportunities our products provide and discover how we can help you sustainably enhance your competitive edge.

© Siemens AG 2010

# Electrical Installation from A to Z

### ALPHA Distribution Boards and Terminal Blocks

The ALPHA range comprises small distribution boards, meter cabinets, distribution boards and molded-plastic distribution boards. The ALPHA FIX terminal blocks meet all your needs for clear and manageable wiring using a full range of connection systems.



### BETA Low-Voltage Circuit Protection

Siemens is the only manufacturer to offer an all-round protection concept with an optimally coordinated device range for line protection, personal and fire protection, lightning and overvoltage protection, and device and system protection. Switching, measuring and monitoring devices complete our low-voltage circuit protection offering. Based on an all-round protection concept, our device range offers a complete spectrum of protection devices, such as fuses, miniature circuit breakers, residual current protective devices and overvoltage protection devices, as well as switching devices, measuring instruments and monitoring devices.



### GAMMA Building Management Systems

Buildings should be energy efficient and allow quick and cost-effective adaptation to user requirements. Lighting, sun protection and indoor environment should be achieved in an energy-saving and user-friendly manner, while persons and property are protected against hazards and damage. The tried and tested GAMMA *instabus* building system engineering supports the flexible networking of electrical devices and functions in buildings over two wires of the bus cable and connection to building management systems over KNXnet/IP – thus providing greater efficiency, safety, flexibility and comfort.



### DELTA Switches and Socket Outlets

The DELTA switch and socket outlet range combines a wide range of different design interfaces with more innovative and safer technology. And because the user interfaces are simple to interchange, you can enjoy complete safety – even when your taste or the environment changes.



© Siemens AG 2010

**Modern Electrical Low-Voltage Control and Installation Technology**

These days it's hard to imagine daily life without electricity. Modern electrical switching and installation technology is an essential requirement for ensuring that our use of electricity is safe and user-friendly.

**Shaping the Future with Innovations**

It is a fact of life that there can be no progress without innovation - which is why we make every endeavor to continue producing innovations in the area of electrical installation technology, as well as improving existing products and developing new applications. Our mission is to offer innovative and high-quality products across the whole spectrum of electrical installation technology in order to further increase our competitive edge and open up new market opportunities.

**Our Factory in Regensburg and our Branches Worldwide**

Siemens has been developing products and innovative solutions for industry and for residential and non-residential buildings since 1883. While production began in Berlin, our production has now been based in Regensburg for the last 60 years. Today, this factory is one of the key international manufacturers of installation technology. Our cutting edge equipment includes: CAD, simulation and automated laboratory equipment.

We now have more than 20 production sites in Europe, Asia and America - which is the best way to ensure compliance with country-specific standards – and the best way to ensure that our customers enjoy local support.



Industry



Non-residential buildings



Residential buildings

© Siemens AG 2010

# Quality and the Environment

**Quality in the Context of the Environment**

Increasing urbanization and a growing global population have meant that it has become one of our key challenges to look after and preserve our natural resources – one we are happy to meet head on.

**Acting Responsibly**

As part of the ecologically responsible and globally active Siemens Group, we are setting the bar high. Our environmental protection objectives are an integral part of our rigorous quality management.

Even during the development of our products and systems, we take a critical look at their possible effects on the environment. So, without exception, they all comply with the EC Directive RoHS (Restriction of Hazardous Substances). During this development phase, we also lay the foundations for the highest quality: we define reliability requirements and the related quality assurance measures from the outset - and incorporate them into all drafts.

All products and systems are also subject to strict quality specifications during production and testing. We take great care to ensure compliance with these specifications in order to guarantee our customers nothing but the very best quality. Our many certificates bear witness to our success.

**Pioneers in recycling**

As a founder member of a non-profit association for the active promotion of the environment-friendly recycling of disabled LV HRC fuse links, Siemens takes a pro-active approach to recycling. The aim of the association is to create a voluntary system for the environment-friendly recycling of LV HRC fuse links, which is simple and free for participating collectors. All proceeds are used to support a range of projects in the training and research sector.

**Pro-Active Environmental Protection**

It goes without saying that we are certified to ISO 14001 – as are all Siemens premises. Furthermore, as an active member of ZVEI (German Electrical and Electronic Manufacturers' Association), we pro-actively support the protection of the environment with a wide range of measures, such as the development of binding environmental management systems.

In 2006 – following previous awards in 1995, 1999 and 2002 – our factory in Regensburg was presented with its fourth Environmental Award of the City of Regensburg for its strong commitment to environmental issues. This latest prize was awarded for the fact that we have voluntarily renounced the use of hazardous substances in our products and for our consistent application of this aim in our galvanic processes.


URKUNDE

IN ANERKENNUNG DER LEISTUNGEN
FÜR DEN
UMWELT- UND NATURSCHUTZ

VERLEIHT DIE

STADT REGENSBURG

DER FIRMA

Siemens AG, A&D ET,
Gerätewerk Regensburg

DEN

UMWELTPREIS

REGENSBURG, 24. JULI 2006

HANS SCHAIDINGER
OBERBÜRGERMEISTER

© Siemens AG 2010

# Our Added Extra

**Build on a Sound Basis**

With our basic and advanced courses, you can lay the foundations for a successful business. In our modern training center in Regensburg you will learn essential theoretical and practical skills from lecturers who are experts in their respective fields. Dynamic and easy to understand training with multimedia teaching equipment and many practical examples. Available in German and English. If required, we also provide training in-house or in one of our more local Siemens branches.

Our range of training courses covers the whole span of electrical installation. You will get to know our entire portfolio of products and their application. Step-by-step we will familiarize you with the entire spectrum of modern installation options, thus opening up a whole new world of business opportunities.

And by the way: In 1991, the Training Center was the first certified training center in the world to offer KNX training courses, and is still the only manufacturer training center to offer the whole range of KNX-certified courses in both German and English.

For details of our current range of courses, please visit our Web site at:
http://www.siemens.com/e-installation/training






**Comprehensive Support**

We offer all-round support: if you have any queries regarding our products, the planning of your electrical installation or the availability of technical documentation.

Just give us a call:
- Tel.: +49 (0) 180 50 50 222
  (0.14 €/minute from a German landline, call charges from mobile phones may vary.)
- Fax: +49 (0) 180 50 50 223
  (0.14 €/minute from a German landline, call charges from mobile phones may vary.)
- E-Mail: support.automation@siemens.com

**Installation Technology on the Net**

Visit us on the Internet. Our Web site offers information on all our products - ALPHA Distribution Boards and Terminal Blocks, BETA Low-Voltage Circuit Protection, GAMMA Building Management Systems and DELTA Switches and Socket Outlets
http://www.siemens.com/e-installation



© Siemens AG 2010

# Software at Your Services

**Enjoy the benefits of the configuration software ALPHA SELECT**

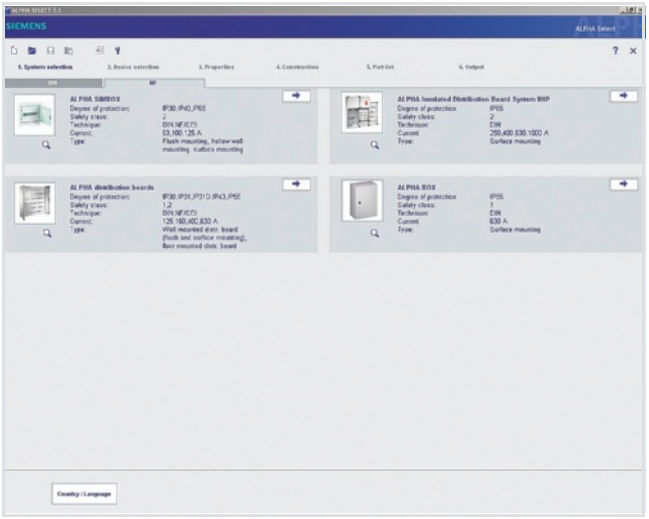
Whether you are an installation engineer or a control cabinet engineer – the software ALPHA SELECT® now makes it quicker and easier than ever before to configure distribution boards and meter cabinets together with devices of the BETA Low-Voltage Circuit Protection range.

Intuitive functions guide you through the configuration process step-by-step. Collision tests ensure that installation and/or configuration errors in the software are virtually impossible.

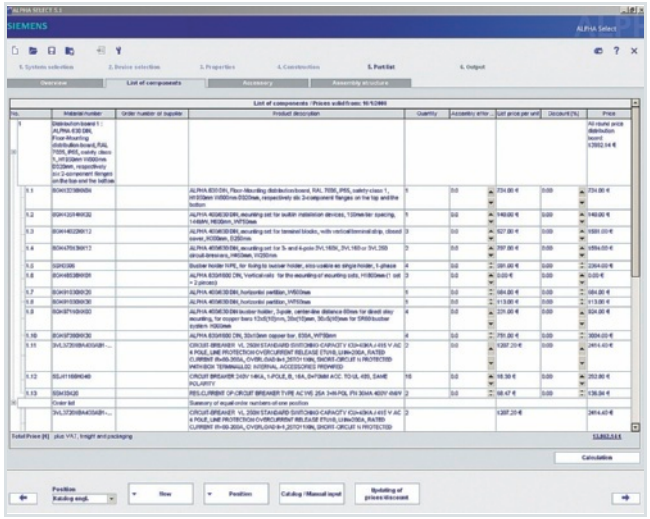
By installing our electronic catalog CA 01 (offline mall) on your computer, you can also use ALPHA SELECT to integrate many products in your project from our industry shopping cart. For further information, see section *Planning and Configuration*.

Available free of charge at:
http://www.siemens.com/alpha-select



Selection of the ALPHA distribution system



Parts list with calculation

© Siemens AG 2010

**Labeling software for complete electrical installations**

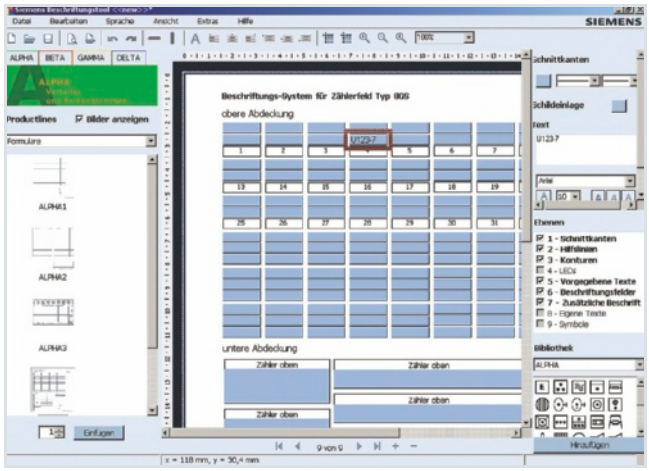
The Siemens labeling software means it has never been easier to label your switches and socket outlets, distribution boards and low-voltage controls.

Each product is labeled using a standard printer on prepunched adhesive film or simply on DIN A4 paper. Generally any device used in electrical installation can be labeled using this labeling system. This allows you to create a neat and tidy distribution board and clearly labeled switches and socket outlets – long after installation.

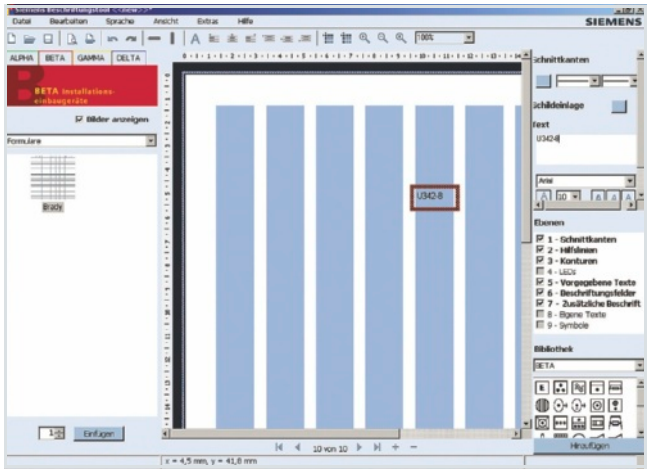
The benefits:

- Your work is made easier and your installation has a uniform appearance, thanks to a single and consistent labeling system
- Adhesive labels are durable, simple to apply and can be used for all devices.

The program is simple to use and available free of charge on the Internet:
http://www.siemens.com/labeling-tool




Labeling tool, example ALPHA




Labeling tool, example BETA

© Siemens AG 2010

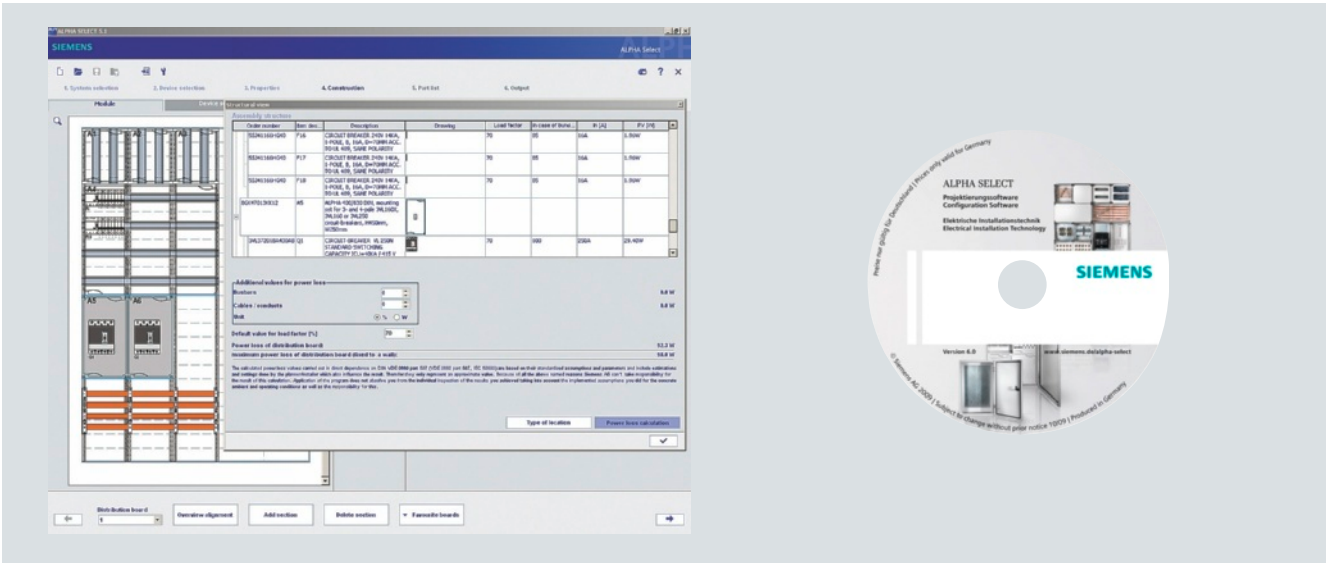
# New Developments



8WH1 screw terminals → Page 10/32



8WH6 iPo plug-in terminals → Page 12/1




ALPHA SELECT configuration software V6.0 → Page 10/1

© Siemens AG 2010

# ALPHA Distribution Boards
# Overview and Certificates

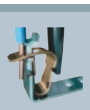
| | | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Cabinet depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|
| | | | | A | | 1 | 2 | |
| Small distribution boards | SIMBOX 63 | ✔ | ✔ | 63 | | -- | ✔ | IP30 |
| | SIMBOX LC | ✔ | ✔ | 63 | | -- | ✔ | IP40 |
| | SIMBOX WP | ✔ | -- | 63 | | -- | ✔ | IP65 |
| ALPHA 160 - DIN wall-mounted distribution boards | Partially equipped distribution boards | ✔ | ✔ | 160 | 140 | -- | ✔ | IP31/IP43 |
| | Unequipped distribution boards | ✔ | ✔ | 160 | 140 | -- | ✔ | IP31/IP43 |
| ALPHA 400 - DIN wall-mounted distribution boards | Unequipped distribution boards, flat pack | ✔ | -- | 400 | 210 | ✔ | ✔ | IP43 |
| | Unequipped distribution boards, pre-assembled | ✔ | ✔ | 400 | 210 | ✔ | ✔ | IP31 / IP43 / IP55 |
| ALPHA 630 - DIN floor-mounted distribution boards | Unequipped distribution boards, flat pack | ✔ | -- | 630 | 210 | ✔ | ✔ | IP43 |
| | Unequipped distribution boards, pre-assembled | ✔ | -- | 630 | 210 / 250 / 320 | ✔ | ✔ | IP43 / IP55 |
| ALPHA AS modular distribution boards | Unequipped distribution boards, pre-assembled | ✔ | -- | 1250 | 400 | ✔ | -- | IP55 |
| ALPHA 400-ZS meter cabinets | | ✔ | -- | 400 | 210 | -- | ✔ | IP43 / IP55 |
| ALPHA 8HP molded-plastic distribution systems | Empty enclosures | ✔ | -- | 1800 | Expandable as required | -- | ✔ | IP65 |
| | Complete enclosures | ✔ | -- | 1800 | 147 / 185 / 212 | -- | ✔ | IP65 |

| Product groups | VDE | EN | DIN | IEC | Meets the require-ments of 8.2.1 - 8.2.7 acc. to EN 60439-1 | Meets the require-ments of 8.2.9 - 8.2.15 acc. to EN 60439-3 |
|---|---|---|---|---|---|---|
| **ALPHA distribution boards** | | | | | | |
| ALPHA 160 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✔ | ✔ |
| ALPHA 400 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✔ | ✔ |
| ALPHA 630 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✔ | ✔ |
| **ALPHA small distribution boards** | | | | | | |
| SIMBOX 63 | DIN VDE 0603-1, DIN VDE 0660-500/504 | EN 60439-1/-3 | DIN 43871 | IEC 60439-1/-3 | ✔ | ✔ |
| **ALPHA 400-ZS** | | | | | | |
| ALPHA 400-ZS meter cabinets | DIN VDE 0603-1, DIN VDE 0660-500/504 | EN 60439-1/-3 | DIN 43870 | -- | ✔ | ✔ |
| **ALPHA 8HP molded-plastic distribution systems** | | | | | | |
| ALPHA 8HP molded-plastic distrib. systems | DIN VDE 0660-500 | EN 60439-1 | -- | IEC 60439-1 | ✔ | [1] |
| **ALPHA modular distribution boards** | | | | | | |
| ALPHA AS modular distribution boards | DIN VDE 0660-500/504 | TSK certificate acc. to EN 60439-1/-3 | -- | Type verif. acc. to IEC 61439-2 | ✔ | ✔ |

[1] This type of distribution board does not need to be tested according to EN 60439-3.

© Siemens AG 2010

# ALPHA FIX Terminal Blocks
# Overview

| Terminal block types[1] |  8WA/8WH screw terminals | |  8WH/8WA spring-loaded terminals | | |  8WH iPo plug-in terminals |  8WH plug-in terminals |  8WH combination plug-in terminals |  8WH insulation displacement terminals |
|---|---|---|---|---|---|---|---|---|---|
| | 8WA1 standard terminals | 8WH1 standard terminals | 8WA2 standard terminals | 8WH2 standard terminals | 8WH25 compact terminals | 8WH6 standard terminals | 8WH4 standard terminals | 8WH5 standard terminals | 8WH3 standard terminals |
| Conductor cross-section in mm² | 2.5 ... 70 | 25 ... 240 | 2.5 ... 16 | 1.5 ... 35 | 2.5 ... 6 | 2.5 | 2.5 ... 4 | 2.5 | 1.5 ... 2.5 |
| Through-type terminals | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Multi-tier terminal blocks | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | -- | ✔ | ✔ |
| Neutral isolating terminals | ✔ | ✔ | ✔ | -- | -- | -- | ✔ | -- | -- |
| PE terminals | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Isolating terminals | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | -- | ✔ | ✔ |
| Terminals for components | ✔ | -- | ✔ | ✔ | ✔ | ✔ | -- | -- | -- |
| Fuse terminals | ✔ | -- | ✔ | ✔ | ✔ | ✔ | -- | -- | -- |
| Insta terminals/ three-tier terminals | ✔ | -- | ✔ | -- | -- | -- | ✔ | -- | -- |
| Hybrid terminals | -- | -- | -- | ✔ | ✔ | -- | -- | ✔ | ✔ |
| High-current terminals | -- | ✔ | -- | -- | -- | -- | -- | -- | -- |
| Bolt-type screw terminals | -- | ✔ | -- | -- | -- | -- | -- | -- | -- |
| Flat terminals | -- | ✔ | -- | -- | -- | -- | -- | -- | -- |
| Shield terminals | -- | ✔ | -- | -- | -- | -- | -- | -- | -- |

[1] Only the main terminal block types are listed here.

You will find an overview of all approvals in the Appendix on pages 17/5 and 17/6.

© Siemens AG 2010

# ALPHA SIMBOX
# Small Distribution Boards






1/2 **Introduction**

**SIMBOX 63**
1/2 Introduction
1/3 Flush-mounting and hollow-wall distribution boards
1/4 Hood-type distribution boards
1/5 Accessories
1/6 Dimensional drawings

**SIMBOX LC**
1/7 Introduction
1/8 Flush-mounting and surface-mounting versions
1/9 Dimensional drawings

**SIMBOX WP**
1/10 Introduction
1/10 Surface-mounting distribution boards
1/12 Dimensional drawings

© Siemens AG 2010

# ALPHA SIMBOX Small Distribution Boards

## Introduction

### Overview

| Small distribution boards | | Page | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Mounting depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | mm | 1 | 2 | |
|  | SIMBOX 63 | from 1/3 | ✔ | ✔ | 63 | 55 / 70 | -- | ✔ | IP30 |
|  | SIMBOX LC | from 1/7 | ✔ | ✔ | 63 | 55 / 70 | -- | ✔ | IP40 |
|  | SIMBOX WP | from 1/10 | ✔ | -- | 63 | 55 / 70 | -- | ✔ | IP65 |

# SIMBOX 63

## Introduction

### Overview

- Small distribution boards for modular installation devices with device mounting depths up to 70 mm
- Modular width 1 MW ≙ 18 mm
- Cut-out height in the cover for shock protection: 45 mm

### Benefits

- Simple cable entry due to the plug-in and latching sliding flange
- Fast wiring through N/PE plug-in terminals (in flush mounting and hollow-wall distribution boards for modular installation devices up to a mounting depth of 70 mm) and tried and tested strain-relief clamping terminals (remaining small distribution boards of the SIMBOX 63 range)
- Convenient cable routing thanks to the wiring space, which has been expanded to 12 mm
- The modern design of the steel sheet door and its handle enable fast concealed lock installation
- High mechanical strength due to
  - Increased masking frame,
  - Double-layer wall-recessed boxes made of impact-resistant plastic and
  - Electrogalvanized steel sheet doors and masking frames with powder coating
- Masking frames provide up to 22 mm flush mounting flexibility
- Standard mounting rails can be fitted in the wall-recessed box before installation

### Application

Small distribution boards are suitable as sub-distribution boards or floor panel boards for all applications in electrical building installations. Thanks to their compact mounting depth, they can be installed close to the respective load center in residential and non-residential buildings, as well as in schools, commercial buildings and shops.

### Design

#### *Versions*

Small distribution boards for flush-mounting, hollow-wall and hood-type distribution boards (without door) are available in 1 to 4-tier versions; hood-type distribution boards with doors are only available in the 1 to 3-tier version.

#### *Equipment*

The distribution boards can be equipped with modular installation devices, such as MCBs and RCCBs, up to a mounting depth of 70 mm, with mountings for snapping onto the 35 mm x 7.5 mm standard mounting rails according to EN 60715.

Each tier can be fitted with devices up to 12 modular widths. For the 3 and 4-tier versions, the upper and lower tier can be extended to 13 modular widths by cutting out the knockouts in the shock protection cover.

© Siemens AG 2010



## Technical specifications

| | |
|---|---|
| Rated current in A | Up to 63 |
| Rated voltage in V AC | 400 |
| Degree of protection | IP30 |
| Safety class | 2 (total insulation) |
| Color | Pure white RAL 9010 |

### *Standards*

SIMBOX 63 small distribution boards comply with DIN VDE 0603, DIN 43871 and EN 60439-3.

### *N/PE terminals*

| Distribution board version | Mounting depth mm | Plug-in terminals | Screw terminals |
|---|---|---|---|
| Flush mounting | 70 | ✔ | -- |
| Hollow-wall | 70 | ✔ | -- |
| Hood | 70 | -- | ✔ |

### *Clamping points - plug-in terminals*

| Number of tiers | Number of clamping points | |
|---|---|---|
| | Spring-loaded terminals 1.5 ... 4 mm² | Screw terminals 2.5 ... 16 mm² |
| 1 ... 2 | 14 | 3 |
| 3 ... 4 | 21 | 6 |

### *Clamping points - screw terminals*

| Number of tiers | Number of clamping points | |
|---|---|---|
| | Strain-relief clamping terminals 1.5 ... 10 mm² | Screw terminals 2.5 ... 16 mm² |
| 1 ... 2 | 12 | 4 |
| 3 ... 4 | 18 | 6 |

## Flush-mounting and hollow-wall distribution boards

## Overview

- According to DIN VDE 0603, DIN 43871 and EN 60439-3
- Degree of protection IP30
- Safety class 2 (total insulation)
- Standard mounting rail spacing 125 mm, standard mounting rails 35 mm x 7.5 mm according to EN 60715
- With sliding flanges and N/PE terminals
- Color pure white RAL 9010
- Hollow-wall boxes made of flame-retardant material
- Cable binders for strain relief are included in delivery (hollow-wall distribution boards only)

## Selection and ordering data

### Flush-mounting distribution boards


8GB5 651-1

**Flush-mounting distribution boards, for device mounting depths up to 70 mm**
- Complete
- With door
- N/PE terminals (plug-in connection)

| Type | External dimensions H x W in mm | Recess dimensions H x W x D in mm | Tiers x MW | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|
| • 1-tier | 311 x 361 | 290 x 333 x 92 | 1 x 12 | A | **8GB5 651-1** | | 1 | 1/60 | 032 | 2.320 |
| • 2-tier | 436 x 361 | 415 x 333 x 92 | 2 x 12 | A | **8GB5 652-1** | | 1 | 1/44 | 032 | 3.140 |
| • 3-tier | 581 x 361 | 560 x 333 x 92 | 3 x 12 [1] | A | **8GB5 653-1** | | 1 | 1/36 | 032 | 4.050 |
| • 4-tier | 706 x 361 | 685 x 333 x 92 | 4 x 12 [1] | A | **8GB5 654-1** | | 1 | 1/27 | 032 | 4.860 |

Footnote

[1] For 3 and 4-tier distribution boards the upper and lower tier can be cut to 13 MW.

### Hollow-wall distribution boards


8GB5 671-1

**Hollow-wall distribution boards, for device mounting depths up to 70 mm**
- Complete
- With door
- N/PE terminals (plug-in connection)

| Type | External dimensions H x W in mm | Recess dimensions H x W x D in mm | Tiers x MW | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|
| • 1-tier | 311 x 361 | 290 x 333 x 92 | 1 x 12 | A | **8GB5 671-1** | | 1 | 1/60 | 032 | 2.270 |
| • 2-tier | 436 x 361 | 415 x 333 x 92 | 2 x 12 | A | **8GB5 672-1** | | 1 | 1/44 | 032 | 3.060 |
| • 3-tier | 581 x 361 | 560 x 333 x 92 | 3 x 12 [1] | A | **8GB5 673-1** | | 1 | 1/36 | 032 | 3.910 |
| • 4-tier | 706 x 361 | 685 x 333 x 92 | 4 x 12 [1] | A | **8GB5 674-1** | | 1 | 1/27 | 032 | 4.690 |

Footnote

[1] For 3 and 4-tier distribution boards the upper and lower tier can be cut to 13 MW.

For accessories, see page 1/5.
For dimensional drawings, see page 1/6.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010

# ALPHA SIMBOX Small Distribution Boards

## SIMBOX 63

### Hood-type distribution boards

#### Overview

- According to DIN VDE 0603, DIN 43871 and EN 60439-3
- Degree of protection IP30
- Safety class 2 (total insulation)
- Standard mounting rail spacing 125 mm, standard mounting rails 35 mm x 7.5 mm according to EN 60715
- N/PE terminals with strain-relief clamping technology
- Color pure white RAL 9010

#### Selection and ordering data

**Hood-type distribution boards, for device mounting depths up to 70 mm**

| | Type | External dimensions H x W x D in mm | Tiers x MW | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|
|  8GB5 776 | • Without door | | | | | | | | | |
| | - 1-tier | 221 x 275 x 74 | 1 x 12 [1] | A | **8GB5 775** | | 1 | 1/154 | 032 | 0.732 |
| | - 2-tier | 346 x 275 x 74 | 2 x 12 [1] | A | **8GB5 776** | | 1 | 1/88 | 032 | 1.038 |
| | - 3-tier | 491 x 275 x 74 | 3 x 12 [1] | A | **8GB5 777** | | 1 | 1/66 | 032 | 1.385 |
| | - 4-tier | 616 x 275 x 74 | 4 x 12 [1] | A | **8GB5 778** | | 1 | 1/44 | 032 | 1.850 |
|  8GB5 762 | • Complete, with pure white door (RAL 9010) | | | | | | | | | |
| | - 1-tier | 221 x 275 x 100 | 1 x 12 [1] | A | **8GB5 761** | | 1 | 1/126 | 032 | 0.962 |
| | - 2-tier | 346 x 275 x 100 | 2 x 12 [1] | A | **8GB5 762** | | 1 | 1/72 | 032 | 1.378 |
| | - 3-tier | 491 x 275 x 100 | 3 x 12 [1] | A | **8GB5 763** | | 1 | 1/54 | 032 | 1.905 |
|  8GB5 786 | • Complete, with blue transparent door | | | | | | | | | |
| | - 1-tier | 221 x 275 x 100 | 1 x 12 [1] | A | **8GB5 785** | | 1 | 1 | 032 | 0.770 |
| | - 2-tier | 346 x 275 x 100 | 2 x 12 [1] | A | **8GB5 786** | | 1 | 1 | 032 | 1.100 |
| | - 3-tier | 491 x 275 x 100 | 3 x 12 [1] | A | **8GB5 787** | | 1 | 1 | 032 | 1.495 |

Footnote

[1] For 3 and 4-tier distribution boards the upper and lower tier can be cut to 13 MW.

For accessories, see page 1/5.
For dimensional drawings, see page 1/6.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG | Weight per PU approx. |
|---|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | | kg |
|  8GB4 100 | **Wall anchors**<br>• For fixing wall recessed or hollow-wall boxes<br>• 2 sets are required per wall recessed or hollow-wall box<br>• 1 set = 2 wall anchors | A | **8GB4 100** | | 1 set | 1 set | 032 | 0.028 |
|  8GB4 584 | **Sleeves**<br>For cable routing and the mechanical joining of wall recessed boxes or hollow-wall boxes | C | **8GB4 584** | | 1 | 1 | 032 | 0.032 |
|  8GB6 224 | **N/PE terminal strips** | | | | | | | |
| | Versions | | | | | | | |
| | • With plug-in technology<br>- For 1 to 2-tier distribution boards with 14 clamping points 4 mm² and 3 clamping points 16 mm² | A | **8GB6 226** | | 1 | 1 | 032 | 0.135 |
| | - For 3 to 4-tier distribution boards with 21 clamping points 4 mm² and 6 clamping points 16 mm² | A | **8GB6 227** | | 1 | 1 | 032 | 0.230 |
| | • With strain-relief clamping technology<br>- For use as supplementary N or PE bar<br>- Clamping points: 30 × 4 mm² and 6 × 16 mm² | A | **8GB6 224** | | 1 | 1 | 032 | 0.190 |
|  8GB4 576 | **RCCB terminals**<br>• For 1 to 4-tier distribution boards (can only be used in 3 and 4-tier small distribution boards if fitted with plug-in technology)<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• With 3 x 1.5 ... 10 mm²/1 x 1.5 ... 25 mm² clamping points<br>• For mounting in wall recessed boxes or hollow-wall boxes, or<br>• As well as for snapping onto a standard mounting rail | C | **8GB4 576** | | 1 | 1 | 032 | 0.026 |
|  8GS4 034-1 | **N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 2 × screw terminal, conductor cross-section max. 16 mm²<br>• 14 × plug-in terminal, conductor cross-section max. 4 mm² | ► | **8GS4 034-1** | | 1 | 1 | 043 | 0.050 |
|  8GS4 034-2 | **PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• 2 × screw terminal, conductor cross-section max. 16 mm²<br>• 14 × plug-in terminal, conductor cross-section max. 4 mm² | ► | **8GS4 034-2** | | 1 | 1 | 043 | 0.050 |
|  8GS4 034-3 | **N/PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 mm² 1)<br>• 7 × plug-in terminal, conductor cross-section max. 4 mm² 1) | ► | **8GS4 034-3** | | 1 | 1 | 043 | 0.050 |
| | Footnote<br>1) Per PE or N potential. | | | | | | | |
|  8GS4 034-4 | **N/N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 mm² 1)<br>• 7 × plug-in terminal, conductor cross-section max. 4 mm² 1) | ► | **8GS4 034-4** | | 1 | 1 | 043 | 0.050 |
| | Footnote<br>1) Per PE or N potential. | | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA SIMBOX Small Distribution Boards

## SIMBOX 63

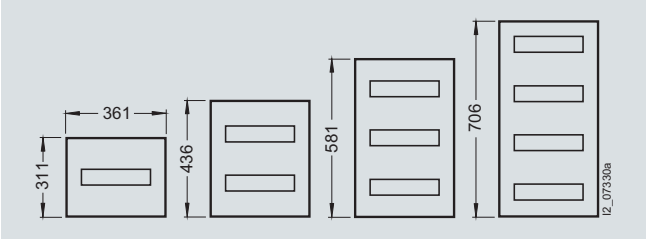
## Accessories

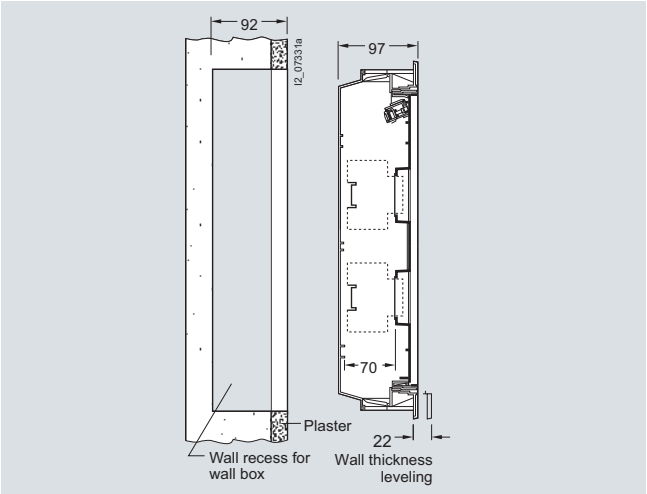
| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG | Weight per PU approx. |
|---|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | | kg |
|  8GB4 683 | **Blanking strips**<br>• For 1 to 4-tier distribution boards<br>• For 14 modular widths<br>• With bent support | | | | | | | |
| | Versions | | | | | | | |
| | • Pure white | A | **8GB4 683** | | 1 | 1 | 032 | 0.042 |
| | • Gray | A | **8GB4 671** | | 1 | 1 | 032 | 0.042 |
|  8GB4 577 | **Door locks**<br>• For flush-mounting, hollow-wall and surface-mounting distribution boards<br>• With key (19 different tumbler configurations available, on request) | C | **8GB4 577** | | 1 set | 1 set | 032 | 0.018 |
|  8GB4 378 | **Door locking kits**<br>• For hood-type distribution boards<br>• With key<br>• Pure white | A | **8GB4 378** | | 1 set | 1 set | 032 | 0.015 |
| 8GB4 383 | **Partitions** | | | | | | | |
| | Versions | | | | | | | |
| | • 3-tier vertical | C | **8GB4 381** | | 1 | 1 | 032 | 0.044 |
| | • 4-tier vertical | C | **8GB4 382** | | 1 | 1 | 032 | 0.056 |
| | • 3 and 4-tier horizontal | C | **8GB4 383** | | 1 | 1 | 032 | 0.032 |

## Dimensional drawings

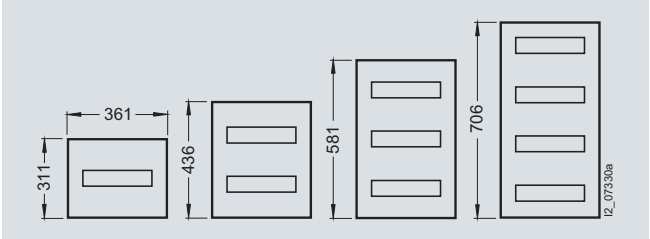
### Dimensional drawings

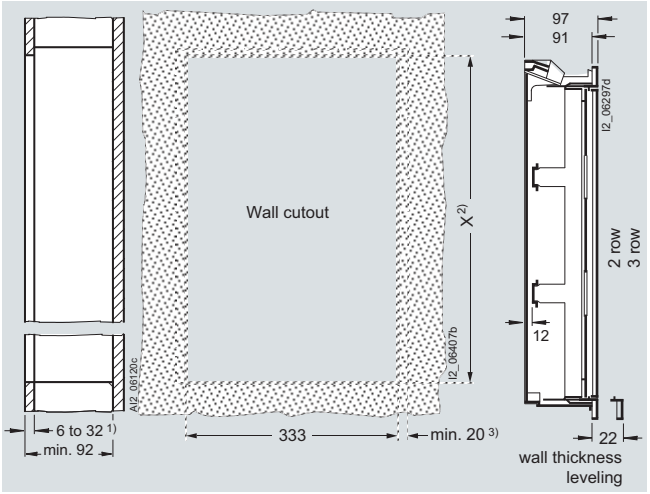
*Flush-mounting distribution boards*




*Hollow-wall distribution boards*




1) Board thickness.

2) Minimum clearance 1-tier 290 mm, 2-tier 415 mm, 3-tier 560 mm, 4-tier 685 mm.

3) Required clearance for swinging out the fixing claws.

* You can order this quantity or a multiple thereof.

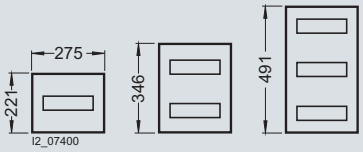
© Siemens AG 2010

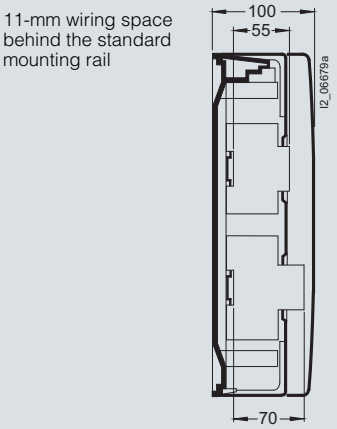


# SIMBOX 63

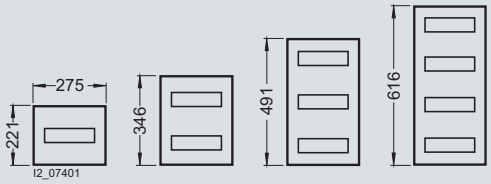
## Dimensional drawings

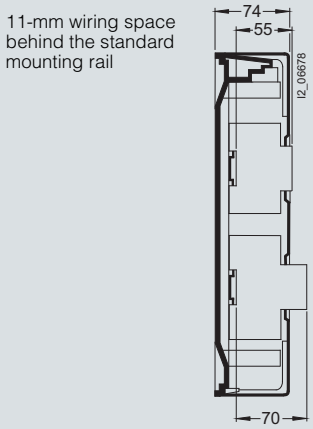
*Hood-type distribution boards with door*




*Hood-type distribution boards without door*




# SIMBOX LC

## Introduction

### Overview

- Small distribution boards for modular installation devices up to a mounting depth of 70 mm
- Modular width 1 MW ≙ 18 mm

### Application

Small distribution boards are suitable as sub-distribution boards or floor panel boards for all applications in electrical building installations. Thanks to their compact mounting depth, they can be installed close to the respective load center in residential and non-residential buildings, as well as in schools, commercial buildings and shops.

### Design

*Versions*

All versions are available with white or blue transparent door.

*Equipment*

The distribution boards can be equipped with modular installation devices, such as MCBs and RCCBs, up to a device mounting depth of 70 mm for snap-on mounting on the 35 mm x 7.5 mm standard mounting rails according to EN 60715.

Each tier can be fitted with devices up to 12 modular widths.

### Technical specifications

| | |
|---|---|
| Rated current in A | Up to 63 |
| Rated voltage in V AC | 400 |
| Degree of protection | IP40 |
| Safety class | 2 (total insulation) |
| Color | Traffic white RAL 9016 |

*Standards*

The SIMBOX LC small distribution boards comply with EN 60439-3 and IEC 60439-3.

*Versions*

| Tiers | MW per tier | UP | AP |
|---|---|---|---|
| 1 | 4 | ✔ | -- |
| 1 | 8 | ✔ | -- |
| 1 | 12 | ✔ | ✔ |
| 2 | 12 | ✔ | ✔ |
| 3 | 12 | ✔ | ✔ |

© Siemens AG 2010

# ALPHA SIMBOX Small Distribution Boards

## SIMBOX LC

### Flush-mounting and surface-mounting versions

### Overview

- According to EN 60439-3 and IEC 60439-3
- Degree of protection IP40
- Safety class 2 (total insulation)
- Standard mounting rail spacing 150 mm according to EN 60715
- RAL 9016 traffic white

### Selection and ordering data

#### Flush-mounting versions



8GB1 121-1

**Flush-mounting distribution boards**
- Complete
- With PE terminal
- For device mounting depths up to 70 mm
- With door

| Type | External dimensions H x W in mm | Recess dimensions H x W x D in mm | Tiers x MW | N terminals can be ordered separately | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • White | | | | | | | | | | | |
| - 1-tier | 264 × 164 | 236 × 136 × 79 | 1 × 4 | 1 × 8GB2 081-3 | A | **8GB1 111-2** | | 1 | 1 | 032 | 0.566 |
| - 1-tier | 264 × 236 | 236 × 136 × 79 | 1 × 8 | 2 × 8GB2 081-2 | A | **8GB1 111-3** | | 1 | 1 | 032 | 0.566 |
| - 1-tier | 264 × 328 | 236 × 300 × 80 | 1 × 12 | 1 × 8GB2 081-0 | A | **8GB1 111-1** | | 1 | 1 | 032 | 1.266 |
| - 2-tier | 434 × 328 | 405 × 300 × 80 | 2 × 12 | 1 × 8GB2 081-1 | A | **8GB1 112-1** | | 1 | 1 | 032 | 1.956 |
| - 3-tier | 599 × 328 | 570 × 300 × 80 | 3 × 12 | 2 × 8GB2 081-0 | A | **8GB1 113-1** | | 1 | 1 | 032 | 2.616 |
| • Blue transparent | | | | | | | | | | | |
| - 1-tier | 264 × 164 | 236 × 136 × 79 | 1 × 4 | 1 × 8GB2 081-3 | A | **8GB1 121-2** | | 1 | 1 | 032 | 0.556 |
| - 1-tier | 264 × 236 | 236 × 136 × 79 | 1 × 8 | 2 × 8GB2 081-2 | A | **8GB1 121-3** | | 1 | 1 | 032 | 0.707 |
| - 1-tier | 264 × 328 | 236 × 300 × 80 | 1 × 12 | 1 × 8GB2 081-0 | A | **8GB1 121-1** | | 1 | 1 | 032 | 1.284 |
| - 2-tier | 434 × 328 | 405 × 300 × 80 | 2 × 12 | 1 × 8GB2 081-1 | A | **8GB1 122-1** | | 1 | 1 | 032 | 1.937 |
| - 3-tier | 599 × 328 | 570 × 300 × 80 | 3 × 12 | 2 × 8GB2 081-0 | A | **8GB1 123-1** | | 1 | 1 | 032 | 2.618 |

#### Surface-mounting versions



8GB1 321-1

**Surface-mounting distribution boards**
- Complete
- With PE terminal
- For device mounting depths up to 70 mm
- With door

| Type | External dimensions H x W in mm | Tiers x MW | Terminals required | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|
| • White | | | | | | | | | | |
| - 1-tier | 236 × 300 | 1 × 12 | 1 × 8GB2 081-0 | A | **8GB1 311-1** | | 1 | 1 | 032 | 1.336 |
| - 2-tier | 405 × 300 | 2 × 12 | 1 × 8GB2 081-1 | A | **8GB1 312-1** | | 1 | 1 | 032 | 2.074 |
| - 3-tier | 570 × 300 | 3 × 12 | 2 × 8GB2 081-0 | A | **8GB1 313-1** | | 1 | 1 | 032 | 2.786 |
| • Blue transparent | | | | | | | | | | |
| - 1-tier | 236 × 300 | 1 × 12 | 1 × 8GB2 081-0 | A | **8GB1 321-1** | | 1 | 1 | 032 | 1.365 |
| - 2-tier | 405 × 300 | 2 × 12 | 1 × 8GB2 081-1 | A | **8GB1 322-1** | | 1 | 1 | 032 | 2.039 |
| - 3-tier | 570 × 300 | 3 × 12 | 2 × 8GB2 081-0 | A | **8GB1 323-1** | | 1 | 1 | 032 | 2.838 |

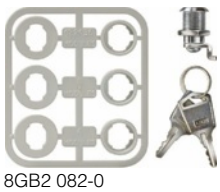
#### Accessories



8GB2 081-1

**N or PE terminal strips**

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|
| • 2 × 16 mm² and 10 × 4 mm² | A | **8GB2 081-0** | | 1 | 1/50 | 032 | 0.036 |
| • 2 × 16 mm² and 14 × 4 mm² | A | **8GB2 081-1** | | 1 | 1/50 | 032 | 0.046 |
| • 1 × 16 mm² and 6 × 4 mm² | A | **8GB2 081-2** | | 1 | 1/50 | 032 | 0.024 |
| • 1 × 16 mm² and 4 × 4 mm² | A | **8GB2 081-3** | | 1 | 1/50 | 032 | 0.018 |



8GB2 082-0

**Cylinder locks**

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|
| • Right | B | **8GB2 082-0** | | 1 | 10 | 032 | 0.038 |
| • Left | B | **8GB2 082-1** | | 1 | 10 | 032 | 0.038 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Flush-mounting and surface-mounting versions

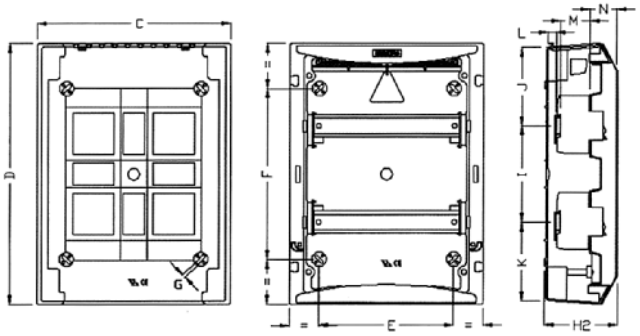
| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG | Weight per PU approx. |
|---|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | | kg |
|  8GB2 083-0 | **Connecting elements**<br>For enclosure | B | **8GB2 083-0** | | 1 | 8 | 032 | 0.043 |
|  8GB4 683 | **Blanking strips**<br>• For 1 to 4-tier distribution boards<br>• For 14 modular widths<br>• With bent support<br>• Pure white | A | **8GB4 683** | | 1 | 1 | 032 | 0.042 |

For dimensional drawings, see page 1/9.

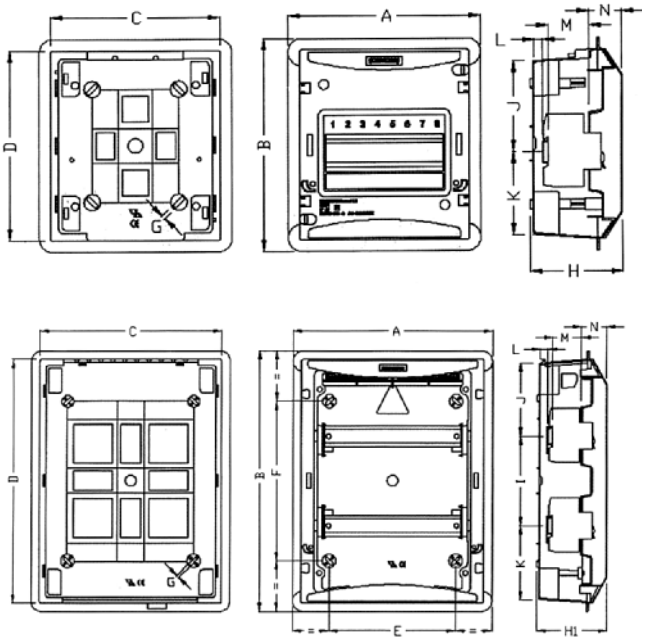
## Dimensional drawings

### Dimensional drawings

*Surface mounting*




*Flush mounting*




| MW | Version | A mm | B mm | H mm | H1 min. mm | H2 mm | C mm | D mm | E mm | F mm | G mm | I mm | J mm | K mm | L mm | L min. mm | L max. mm | M mm | N mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | UP | 164 | 264 | 114 | -- | -- | 136 | 236 | 65 | 140 | 5 | -- | 110 | 100 | 12 | -- | – | 48 | 35 |
| 8 | UP | 236 | 264 | 114 | -- | -- | 136 | 236 | 116 | 140 | 5 | -- | 110 | 100 | 12 | -- | – | 48 | 35 |
| 12 | UP | 328 | 264 | -- | 115 | -- | 300 | 236 | 48 | 130 | 5 | -- | 120 | 100 | -- | 12 | 27 | 48 | 35 |
| | AP | -- | -- | -- | -- | 113 | 300 | 236 | 48 | 130 | 5 | -- | 120 | 100 | -- | 12 | 25 | 48 | 35 |
| 24 | UP | 328 | 434 | -- | 115 | -- | 300 | 405 | 208 | 266 | 5 | 150 | 120 | 120 | -- | 12 | 27 | 48 | 35 |
| | AP | -- | -- | -- | -- | 113 | 300 | 405 | 208 | 266 | 5 | 150 | 120 | 120 | -- | 10 | 25 | 48 | 35 |
| 36 | UP | 328 | 599 | -- | 115 | -- | 300 | 570 | 208 | 430 | 5 | 150 × 2 | 175 | 120 | -- | 12 | 27 | 48 | 35 |
| | AP | -- | -- | -- | -- | 113 | 300 | 570 | 208 | 430 | 5 | 150 × 2 | 175 | 120 | -- | 10 | 25 | 48 | 35 |

UP = Flush mounting
AP = Surface mounting

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010

# ALPHA SIMBOX Small Distribution Boards

## SIMBOX WP

## Introduction

### Overview

- Small distribution boards for modular installation devices with device mounting depths up to 70 mm
- Modular width 1 MW ≙ 18 mm

### Benefits

- The wiring space behind the standard mounting rail is 15 mm and 48 mm, ensuring fast and easy wiring.
- The extremely robust transparent door can also be equipped with a lock, which can be ordered from the range of accessories. The door can be hinged on the right or left without tools; its opening angle is 180°.
- The withdrawable equipment rack ensures easy and fast assembly. The generous wiring space and clearly arranged modular design reduce assembly times by approx. 20 %.
- The plastic materials used can be recycled.

### Application

Due to the high degree of protection IP65, these small distribution boards can withstand harsh ambient conditions in both indoor and outdoor areas.

Their resistance to dust and splashing water makes them ideal for use in a range of different application areas, such as car washes, farms, joiners' workshops, etc.

#### *Special applications*

Due to their large temperature operating range (-25 °C to +60 °C), UV radiation resistance and resistance to dust and splashing water, this distribution board range is especially suitable for harsh ambient conditions.

### Design

#### *Equipment*

The distribution boards can be equipped with modular installation devices, such as MCBs and RCCBs, with 63 A and up to a mounting depth of 70 mm, by snapping them onto the standard mounting rails 35 mm x 7.5 mm to EN 60715.

The small distribution boards can be equipped with devices of 12 to 18 modular widths as required.

### Technical specifications

| | |
|---|---|
| Rated current in A | Up to 63 |
| Rated voltage in V AC | 400 |
| Degree of protection | IP65 |
| Safety class | 2 (total insulation) |
| Color | Light gray RAL 7035 |

#### *Standards*

The SIMBOX WP small distribution boards comply with EN 60439-3 and IEC 60439-3.

#### *Versions*

| Tiers | MW per tier | | | |
|---|---|---|---|---|
| | 4 | 8 | 12 | 18 |
| 1 | ✔ | ✔ | ✔ | ✔ |
| 2 | -- | -- | ✔ | ✔ |
| 3 | -- | -- | -- | ✔ |
| 4 | -- | -- | -- | ✔ |

## Surface-mounting distribution boards

### Overview

- According to IEC 60439-3
- Degree of protection IP65
- Suitable for outdoor use (-20 °C ... +60 °C)
- Safety class 2 (total insulation)
- UV-resistant
- Standard mounting rail spacing 150 mm, standard mounting rails 35 mm x 7.5 mm according to EN 60715
- Transparent doors
- Color light gray RAL 7035

### Selection and ordering data



8GB1 371-0

**Surface-mounting distribution boards**
- Without N/PE terminal strips
- For device mounting depths up to 70 mm

| Type | External dimensions H x W x D in mm | Tiers x MW | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|---|
| • 1-tier | 210 x 143 x 100 | 1 x 4 | A | **8GB1 371-0** | | 1 | 1 | 032 | 0.605 |
| | 210 x 215 x 100 | 1 x 8 | A | **8GB1 371-1** | | 1 | 1 | 032 | 0.824 |
| | 260 x 298 x 140 | 1 x 12 | A | **8GB1 371-2** | | 1 | 1 | 032 | 1.822 |
| | 285 x 410 x 140 | 1 x 18 | A | **8GB1 371-3** | | 1 | 1 | 032 | 2.401 |
| • 2-tier | 420 x 298 x 140 | 2 x 12 | A | **8GB1 372-2** | | 1 | 1 | 032 | 2.685 |
| | 463 x 410 x 140 | 2 x 18 | A | **8GB1 372-3** | | 1 | 1 | 032 | 3.746 |
| • 3-tier | 655 x 410 x 140 | 3 x 18 | A | **8GB1 373-3** | | 1 | 1 | 032 | 5.328 |
| • 4-tier | 878 x 410 x 160 | 4 x 18 | A | **8GB1 374-3** | | 1 | 1 | 032 | 7.751 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Accessories

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight per PU approx. kg |
|---|---|---|---|---|---|---|---|---|
|  8GB2 052-0 | **Neutral conductors and grounding terminal strips (N/PE terminal strips)**<br>Insulated | | | | | | | |
| | MW | | | | | | | |
| | • 8 | A | **8GB2 052-0** | | 1 | 10 | 032 | 0.190 |
| | • 12 | A | **8GB2 052-1** | | 1 | 10 | 032 | 0.317 |
| | • 18 | A | **8GB2 052-2** | | 1 | 10 | 032 | 0.133 |
|  8GB2 055-0 | **Safety cylinder locks**<br>Made of metal | B | **8GB2 055-0** | | 1 | 10 | 032 | 0.055 |
|  8GB2 050-0 | **2-component flanges for cable entry**<br>With user-friendly cable routing | B | **8GB2 050-0** | | 1 | 1 | 032 | 0.136 |
|  8GB4 683 | **Blanking strips**<br>• With bent support<br>• MW 14 | | | | | | | |
| | Versions | | | | | | | |
| | • Pure white | A | **8GB4 683** | | 1 | 1 | 032 | 0.042 |
| | • Gray | A | **8GB4 671** | | 1 | 1 | 032 | 0.042 |
|  8GB2 051-0 | **Covers**<br>For joints of conduit and cable duct entries | | | | | | | |
| | MW | | | | | | | |
| | • 12 | B | **8GB2 051-0** | | 1 | 20 | 032 | 0.171 |
| | • 18 | B | **8GB2 051-1** | | 1 | 20 | 032 | 0.275 |
|  8GB2 053-0 | **Inner partitions**<br>Horizontal | | | | | | | |
| | MW | | | | | | | |
| | • 12 | B | **8GB2 053-0** | | 1 | 10 | 032 | 0.214 |
| | • 18 | B | **8GB2 053-1** | | 1 | 10 | 032 | 0.300 |

For dimensional drawings, see page 1/12.

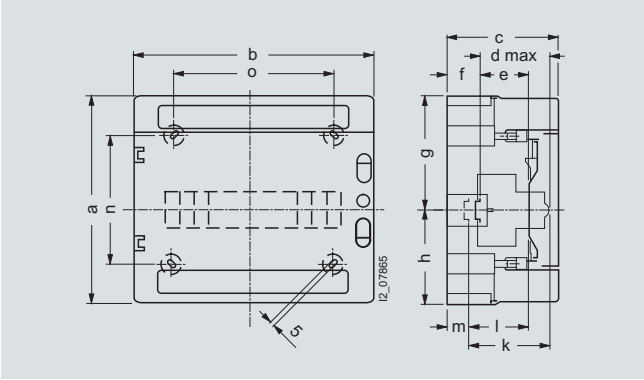
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

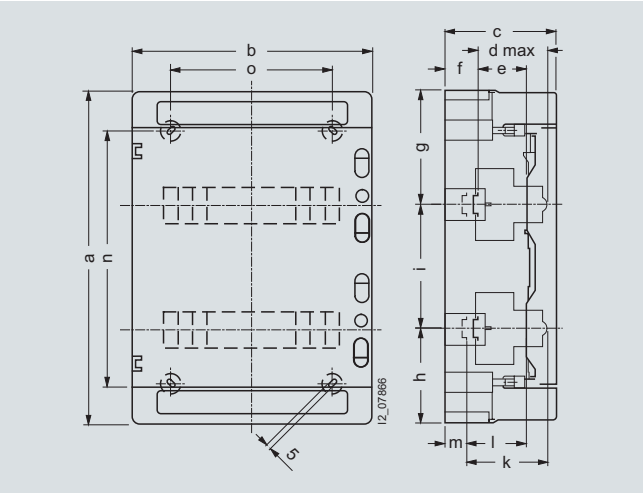


## Dimensional drawings

### Dimensional drawings




1-tier 8GB1 371-0, 8GB1 371-1, 8GB1 371-2, 8GB1 371-3




2-tier 8GB1 372-2, 8GB1 372-3
(3 and 4-tier versions not shown)

| MW | Type | Dimensions | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | a | b | c | $d_{max}$ | e | f | g | h | i | k | l | m | n | o |
| 1 × 4 | 8GB1 371-0 | 210 | 148 | 100 | 75 | 48 | 15 | 105 | 105 | -- | -- | -- | -- | 156 | 87 |
| 1 × 8 | 8GB1 371-1 | 210 | 215 | 100 | 75 | 48 | 15 | 105 | 105 | -- | -- | -- | -- | 110 | 115 |
| 1 × 12 | 8GB1 371-2 | 260 | 298 | 140 | 75 | 48 | 48 | 117.5 | 142.5 | -- | 102 | 75 | 21 | 161 | 200 |
| 1 × 18 | 8GB1 371-3 | 285 | 410 | 140 | 75 | 48 | 48 | 117.5 | 142.5 | -- | 102 | 75 | 21 | 185 | 310 |
| 2 × 12 | 8GB1 372-2 | 420 | 298 | 140 | 75 | 48 | 48 | 147.5 | 122.5 | 150 | 102 | 75 | 21 | 320 | 200 |
| 2 × 18 | 8GB1 372-3 | 463 | 410 | 140 | 75 | 48 | 48 | 155.5 | 131.5 | 150 | 102 | 75 | 21 | 210 | 293 |
| 3 × 18 | 8GB1 373-3 | 655 | 410 | 140 | 75 | 48 | 48 | 162.5 | 142.5 | 175 | 102 | 75 | 21 | 363 | 319 |
| 4 × 18 | 8GB1 374-3 | 878 | 410 | 160 | 75 | 48 | 48 | 175 | 155.5 | 175 | 102 | 75 | 21 | 394 | 319 |

a=Distribution board height
b=Distribution board width
c=Distribution board depth
g=Device mounting depth
h=Wiring space behind the standard mounting rail

© Siemens AG 2010

# ALPHA 160 - DIN Wall-Mounted Distribution Boards






2/2 **Introduction**

2/4 **Distribution Boards with Built-In Distribution Board Panels**
8GK1 surface and flush-mounting distribution boards with quick-assembly kits

2/5 **Unequipped Distribution Boards**
8GK1 surface and flush-mounting distribution boards

2/6 **Quick-Assembly Kits for Unequipped Distribution Boards**
8GK4 quick-assembly kits for modular installation devices

**Assembly Kits for Unequipped Distribution Boards**
2/7 8GK4 longitudinal stays
2/7 Assembly kits for modular installation devices
2/8 8GK4 assembly kits for horizontal terminal blocks
2/8 8GK4 assembly kits with mounting plates
2/9 8GK4 assembly kits for unequipped panels
2/9 Mounting of fuse switch disconnectors

**Accessories**
2/10 Unequipped distribution boards and partially equipped distribution boards
2/11 Quick-assembly kits and standard assembly kits

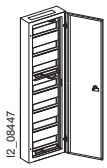
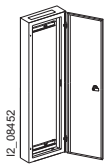
© Siemens AG 2010





# Introduction

## Overview

| ALPHA 160 - DIN wall-mounted distribution boards | | Page | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Cabinet depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | mm | 1 | 2 | |
|  I2_08447 | Partially equipped distribution boards | 2/4 | ✔ | ✔ | 160 | 140 | -- | ✔ | IP31/IP43 |
|  I2_08452 | Unequipped distribution boards | 2/5 | ✔ | ✔ | 160 | 140 | -- | ✔ | IP31/IP43 |



### *System*

The modular design of our new Siemens distribution board system draws on our long years of experience in the distribution board sector.

This system has been tailored to meet individual requirements for distribution board installation.

The system comprises unequipped distribution boards, partially equipped distribution boards with cabinet-high quick-assembly kits, cabinet-high quick-assembly kits for modular installation devices for fast equipping and wiring, assembly kits for project-related and individual assembly, as well as an extensive range of accessories.

### *Enclosures*

Material:
Electrogalvanized and powder-coated sheet steel.

Sheet thickness:
Body 0.75 mm, door 1 mm

Color:
RAL 9016 (traffic white).
Further RAL colors are available on request.

### *Quick-assembly kits and standard assembly kits*

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g., for switching devices and modular installation devices.

The largest switching devices mountable with the ALPHA 160 - DIN wall-mounted distribution boards are the 3NP40 10 and 3NP40 70 fuse switch disconnectors of size NH 000 and NH 00 with a rated current of up to 160 A.

## Benefits

- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Comprehensive range of cabinet-high and frequently used quick-assembly kits and assembly kits for individual and project-related assembly
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- Fast mounting times thanks to quick-assembly kits
- System concept according to DIN, EN and VDE regulations
- Solid sheet-steel enclosure
- Degree of protection:
  - Surface mounting: IP43 with door
  - Flush mounting: IP31 with door and integrated masking frame
- Safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly and recyclable plastics.

## Application

ALPHA 160 - DIN wall-mounted distribution boards are used for all applications for which a small distribution board does not provide sufficient equipping or wiring space, e.g. in residential, administrative, non-residential, commercial and industrial buildings.

Its ultra flat design (depth 140 mm) makes it an extremely useful addition to the Siemens distribution board product range.

The distribution board and its components are of modular design.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

The ALPHA 160 - DIN wall-mounted distribution board range comprises wall-mounted distribution boards with up to 7 modular installation devices with 12 MW per mounting width (250 mm) each. The standard mounting rail tier spacing is 125 mm or 150 mm. A total of 4 cabinet widths are available, each with an internal dimension of 250 mm.

The distribution boards can be supplied in safety class 2 (total insulation). The standard degree of protection for surface-mounting distribution boards is IP43 and IP31 for flush-mounting distribution boards. The rated current is 160 A.

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting.

Cabinet-high quick-assembly kits or assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching devices and modular installation devices.

© Siemens AG 2010



## Technical specifications

| | |
|---|---|
| Overvoltage category | III |
| Rated impulse withstand voltage $U_{imp}$ in KV | 6 |
| Clearance and creepage distances | DIN VDE 0110 |
| Rated insulation voltage $U_i$ in V | 690 |
| Rated operational voltage $U_e$ in V AC/DC | 690 |
| Rated voltage $U_n$ (40 Hz to 60 Hz AC) in V | 690 for built-in devices |
| Rated current in A | Up to 160 |
| Protective measures | Safety class 2 (total insulation) |
| Degree of protection acc. to EN 60529 | Surface mounting: IP43 with door<br>Flush mounting: IP31 with door and integrated masking frame |
| Standard mounting rail tier spacing per standard mounting rail tier in mm | 125/150 |
| Modular width (MW) | 18 mm, 12 MW + 1 mountable MW |
| Pollution degree | 3 |
| Ambient temperature in °C | 35 (24-h average value) |
| Relative air humidity in % | 50 at 40 °C |
| Test specifications | EN 60439-1/3 (VDE 0660 Part 500/504) |
| Enclosures | Sheet steel |
| Mounting dimensions | DIN 43870 |
| Surface | Electrogalvanized and powder-coated |
| Color<br>• Enclosure[1)]<br>• Covers | <br>RAL 9016 (traffic white)<br>RAL 7035 (light gray) |
| Locking system | Rotary handle – this can be replaced by other locking systems on request |
| Packing material | Shock-proof, environmentally-friendly |

1) Further RAL colors are available on request.

### *Cabinet dimensions*

| **Surface-mounting distribution boards (external dimensions)** | | **Flush-mounting distribution boards with integrated masking frame (external dimensions)** | |
|---|---|---|---|
| **Depth 140 mm** | | **Depth 140 mm** | |
| **Height** | **Width** | **Height** | **Width** |
| mm | mm | mm | mm |
| 500 | 300<br>550<br>800 | 558 | 358<br>608<br>858 |
| 650 | 300<br>550<br>800<br>1050 | 708 | 358<br>608<br>858<br>1108 |
| 800 | 300<br>550<br>800<br>1050 | 858 | 358<br>608<br>858<br>1108 |
| 950 | 300<br>550<br>800<br>1050 | 1008 | 358<br>608<br>858<br>1108 |
| 1100 | 300<br>550<br>800<br>1050 | 1158 | 358<br>608<br>858<br>1108 |

© Siemens AG 2010



# Distribution Boards with Built-In Distribution Board Panels



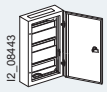
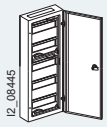
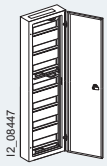
## 8GK1 surface and flush-mounting distribution boards with quick-assembly kits

### Overview

- Cabinet depth of 140 mm
- Safety class 2 (total insulation)
- Tier spacing of 125 mm with N-/PE-bar per panel width
- RAL 9016 (traffic white)
- Surface-mounting distribution board: Degree of protection IP43
- Flush-mounting distribution board with integrated masking frame: degree of protection IP31
- Enclosure complete with door. Distribution boards with a width of 750/800 mm or more will be supplied with a double door. The integral rotary handle can also be replaced with a different type of locking system, if preferred.
- Two 2-component flanges per panel width at the top and bottom

Note: Wall anchors are included in delivery with flush-mounting distribution boards.

### Selection and ordering data

| Internal/external dimensions | | Panel width | Tiers/ MW | DT | Surface-mounting distribution boards | | PU | PS*/ P. unit | PG | DT | Flush-mounting distribution boards | | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | Width | | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| mm | mm | | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| 450/500 | 250/300 | □ | 3/36 | A | **8GK1 052-1KK11** | | 1 | 1 | 039 | C | **8GK1 051-1KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | 6/72 | A | **8GK1 052-1KK21** | | 1 | 1 | 039 | A | **8GK1 051-1KK21** | | 1 | 1 | 039 |
| I2_08443 | 750/800 | □□□ | 9/108 | C | **8GK1 052-1KK31** | | 1 | 1 | 039 | C | **8GK1 051-1KK31** | | 1 | 1 | 039 |
| 600/650 | 250/300 | □ | 4/48 | A | **8GK1 052-2KK11** | | 1 | 1 | 039 | A | **8GK1 051-2KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | 8/96 | A | **8GK1 052-2KK21** | | 1 | 1 | 039 | A | **8GK1 051-2KK21** | | 1 | 1 | 039 |
| I2_08444 | 750/800 | □□□ | 12/144 | A | **8GK1 052-2KK31** | | 1 | 1 | 039 | C | **8GK1 051-2KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | 16/192 | C | **8GK1 052-2KK41** | | 1 | 1 | 039 | C | **8GK1 051-2KK41** | | 1 | 1 | 039 |
| 750/800 | 250/300 | □ | 5/60 | A | **8GK1 052-3KK11** | | 1 | 1 | 039 | C | **8GK1 051-3KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | 10/120 | A | **8GK1 052-3KK21** | | 1 | 1 | 039 | A | **8GK1 051-3KK21** | | 1 | 1 | 039 |
| I2_08445 | 750/800 | □□□ | 15/180 | A | **8GK1 052-3KK31** | | 1 | 1 | 039 | C | **8GK1 051-3KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | 20/240 | C | **8GK1 052-3KK41** | | 1 | 1 | 039 | C | **8GK1 051-3KK41** | | 1 | 1 | 039 |
| 900/950 | 250/300 | □ | 6/72 | A | **8GK1 052-4KK11** | | 1 | 1 | 039 | A | **8GK1 051-4KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | 12/144 | A | **8GK1 052-4KK21** | | 1 | 1 | 039 | A | **8GK1 051-4KK21** | | 1 | 1 | 039 |
| I2_08446 | 750/800 | □□□ | 18/216 | A | **8GK1 052-4KK31** | | 1 | 1 | 039 | A | **8GK1 051-4KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | 24/288 | C | **8GK1 052-4KK41** | | 1 | 1 | 039 | C | **8GK1 051-4KK41** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | 7/84 | A | **8GK1 052-5KK11** | | 1 | 1 | 039 | C | **8GK1 051-5KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | 14/168 | A | **8GK1 052-5KK21** | | 1 | 1 | 039 | A | **8GK1 051-5KK21** | | 1 | 1 | 039 |
| I2_08447 | 750/800 | □□□ | 21/252 | A | **8GK1 052-5KK31** | | 1 | 1 | 039 | A | **8GK1 051-5KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | 28/336 | A | **8GK1 052-5KK41** | | 1 | 1 | 039 | C | **8GK1 051-5KK41** | | 1 | 1 | 039 |

For accessories, see page 2/10 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

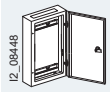
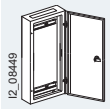
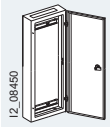
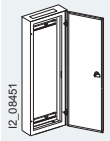
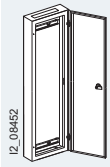


## Overview

- Cabinet depth of 140 mm
- Safety class 2 (total insulation)
- RAL 9016 (traffic white)
- Surface-mounting distribution board: Degree of protection IP43
- Flush-mounting distribution board with integrated masking frame: degree of protection IP31
- Enclosure complete with door. Distribution boards with a width of 750/800 mm or more will be supplied with a double door. The integral rotary handle can also be replaced with a different type of locking system, if preferred.
- Two 2-component flanges per panel width at the top and bottom

Note: Wall anchors are included in delivery with flush-mounting distribution boards.

## Selection and ordering data

| Internal/external dimensions | | Panel width | DT | **Surface-mounting distribution boards** | | PU | PS*/ P. unit | PG | DT | **Flush-mounting distribution boards** | | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| 450/500 | 250/300 | □ | A | **8GK1 032-1KK11** | | 1 | 1 | 039 | C | **8GK1 031-1KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 032-1KK21** | | 1 | 1 | 039 | C | **8GK1 031-1KK21** | | 1 | 1 | 039 |
| I2_08448 | 750/800 | □□□ | C | **8GK1 032-1KK31** | | 1 | 1 | 039 | C | **8GK1 031-1KK31** | | 1 | 1 | 039 |
| 600/650 | 250/300 | □ | A | **8GK1 032-2KK11** | | 1 | 1 | 039 | C | **8GK1 031-2KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 032-2KK21** | | 1 | 1 | 039 | C | **8GK1 031-2KK21** | | 1 | 1 | 039 |
| I2_08449 | 750/800 | □□□ | C | **8GK1 032-2KK31** | | 1 | 1 | 039 | C | **8GK1 031-2KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 032-2KK41** | | 1 | 1 | 039 | C | **8GK1 031-2KK41** | | 1 | 1 | 039 |
| 750/800 | 250/300 | □ | A | **8GK1 032-3KK11** | | 1 | 1 | 039 | A | **8GK1 031-3KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 032-3KK21** | | 1 | 1 | 039 | A | **8GK1 031-3KK21** | | 1 | 1 | 039 |
| I2_08450 | 750/800 | □□□ | A | **8GK1 032-3KK31** | | 1 | 1 | 039 | C | **8GK1 031-3KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 032-3KK41** | | 1 | 1 | 039 | C | **8GK1 031-3KK41** | | 1 | 1 | 039 |
| 900/950 | 250/300 | □ | A | **8GK1 032-4KK11** | | 1 | 1 | 039 | C | **8GK1 031-4KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 032-4KK21** | | 1 | 1 | 039 | A | **8GK1 031-4KK21** | | 1 | 1 | 039 |
| I2_08451 | 750/800 | □□□ | A | **8GK1 032-4KK31** | | 1 | 1 | 039 | C | **8GK1 031-4KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 032-4KK41** | | 1 | 1 | 039 | C | **8GK1 031-4KK41** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | A | **8GK1 032-5KK11** | | 1 | 1 | 039 | C | **8GK1 031-5KK11** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 032-5KK21** | | 1 | 1 | 039 | A | **8GK1 031-5KK21** | | 1 | 1 | 039 |
| I2_08452 | 750/800 | □□□ | A | **8GK1 032-5KK31** | | 1 | 1 | 039 | C | **8GK1 031-5KK31** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 032-5KK41** | | 1 | 1 | 039 | C | **8GK1 031-5KK41** | | 1 | 1 | 039 |

For quick-assembly kits and standard assembly kits, see page 2/6 to 2/12.
For accessories, see page 2/10 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Quick-Assembly Kits for Unequipped Distribution Boards



## 8GK4 quick-assembly kits for modular installation devices

### Overview

Quick-assembly kits are pre-assembled, cabinet-high system components for the most common applications. These kits come complete with longitudinal stays and are simply snapped into the unequipped distribution boards of the respective mounting height thanks to the time-saving quick-locking technology.

### Selection and ordering data

| | External dimensions | | Tiers/ MW | DT | Quick-assembly kits for modular installation devices | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Tier spacing of 125 mm, with N-/PE-bar | | PU | PS*/ P. unit | PG | DT | Tier spacing of 150 mm, without N/PE bar | | PU | PS*/ P. unit | PG |
| | Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| | mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
|  8GK4 001-3KK11 | 450 | 250 | 3/36 | B | **8GK4 001-3KK11** | | 1 | 1 | 039 | A | **8GK4 051-3KK11** | | 1 | 1 | 039 |
|  8GK4 001-4KK11 | 600 | 250 | 4/48 | A | **8GK4 001-4KK11** | | 1 | 1 | 039 | B | **8GK4 051-4KK11** | | 1 | 1 | 039 |
|  8GK4 001-5KK11 | 750 | 250 | 5/60 | A | **8GK4 001-5KK11** | | 1 | 1 | 039 | B | **8GK4 051-5KK11** | | 1 | 1 | 039 |
|  8GK4 001-6KK11 | 900 | 250 | 6/72 | A | **8GK4 001-6KK11** | | 1 | 1 | 039 | A | **8GK4 051-6KK11** | | 1 | 1 | 039 |
|  8GK4 001-7KK11 | 1050 | 250 | 7/84 | A | **8GK4 001-7KK11** | | 1 | 1 | 039 | A | **8GK4 051-7KK11** | | 1 | 1 | 039 |

The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.

For accessories, see page 2/11.

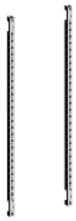
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8GK4 longitudinal stays

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK4 851-3KK00 | **Longitudinal stays**<br>• To mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• 1 set = 2 stays | | | | | | |
| | Height in mm | | | | | | |
| | • 450 | A | **8GK4 851-3KK00** | | 1 set | 1 set | 039 |
| | • 600 | A | **8GK4 851-4KK00** | | 1 set | 1 set | 039 |
| | • 750 | A | **8GK4 851-5KK00** | | 1 set | 1 set | 039 |
| | • 900 | A | **8GK4 851-6KK00** | | 1 set | 1 set | 039 |
| | • 1050 | A | **8GK4 851-7KK00** | | 1 set | 1 set | 039 |

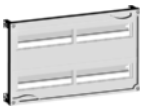
## Assembly kits for modular installation devices

### Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 2/7).

### Selection and ordering data

| | External dimensions Height | Width | Tiers/ MW | DT | Assembly kits for modular installation devices<br>Tier spacing of 125 mm, without N/PE bar<br>Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | DT | Tier spacing of 150 mm, without N/PE bar<br>Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | mm | | | | | | | | | | | | | |
|  8GK4 351-1KK21 | 150 | 250 | 1/12 | | -- | | | | | A | **8GK4 351-1KK11** | | 1 | 1 | 039 |
| | | 500 | 1/24 | | -- | | | | | B | **8GK4 351-1KK21** | | 1 | 1 | 039 |
|  8GK4 351-2KK21 | 300 | 250 | 2/24 | B | **8GK4 301-2KK11** | | 1 | 1 | 039 | A | **8GK4 351-2KK11** | | 1 | 1 | 039 |
| | | 500 | 2/48 | B | **8GK4 301-2KK21** | | 1 | 1 | 039 | A | **8GK4 351-2KK21** | | 1 | 1 | 039 |
|  8GK4 351-3KK21 | 450 | 250 | 3/36 | A | **8GK4 301-3KK11** | | 1 | 1 | 039 | A | **8GK4 351-3KK11** | | 1 | 1 | 039 |
| | | 500 | 3/72 | A | **8GK4 301-3KK21** | | 1 | 1 | 039 | A | **8GK4 351-3KK21** | | 1 | 1 | 039 |
|  8GK4 351-4KK21 | 600 | 250 | 4/48 | B | **8GK4 301-4KK11** | | 1 | 1 | 039 | A | **8GK4 351-4KK11** | | 1 | 1 | 039 |
| | | 500 | 4/96 | B | **8GK4 301-4KK21** | | 1 | 1 | 039 | A | **8GK4 351-4KK21** | | 1 | 1 | 039 |

The assembly kits with a width of 250 mm and 500 mm are equipped with 7.5 mm standard mounting rails.

For accessories, see page 2/11.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards



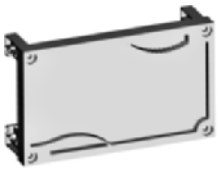
## 8GK4 assembly kits for horizontal terminal blocks

### Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 2/7).

### Selection and ordering data



8GK4 401-1KK11

**Assembly kits for horizontal terminal blocks**
- Terminal blocks are installed on graded insulating mountings
- With front cover
- Closed

| Height in mm (external dimensions) | Width in mm (external dimensions) | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 150 | 250 | A | **8GK4 401-1KK11** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 401-1KK21** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 401-2KK11** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 401-2KK21** | | 1 | 1 | 039 |

Note

For assembly kits with a width of 500 mm, we recommend installing a vertical profile bar.

For accessories, see page 2/11 ff.

## 8GK4 assembly kits with mounting plates

### Overview

- Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover for unequipped panels including supports, screws and mounting accessories
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 2/7).

### Selection and ordering data



8GK4 451-2KK11

**Assembly kits with mounting plates**
- With front cover
- Closed

| Assembly kit external dimensions in mm | | Mounting plate dimensions in mm | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| Height | Width | Height | Width | | | | | | |
| 300 | 250 | 245 | 207.5 | A | **8GK4 451-2KK11** | | 1 | 1 | 039 |
| 450 | | 395 | | A | **8GK4 451-3KK11** | | 1 | 1 | 039 |
| 600 | | 545 | | A | **8GK4 451-4KK11** | | 1 | 1 | 039 |

For accessories, see page 2/11 ff.



* You can order this quantity or a multiple thereof.

© Siemens AG 2010

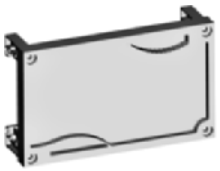


## Overview

- Assembly kits for individual and project-related assembly, comprising: front cover for unequipped panels including supports, screws and mounting accessories
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 2/7).

## Selection and ordering data


8GK4 501-1KK11

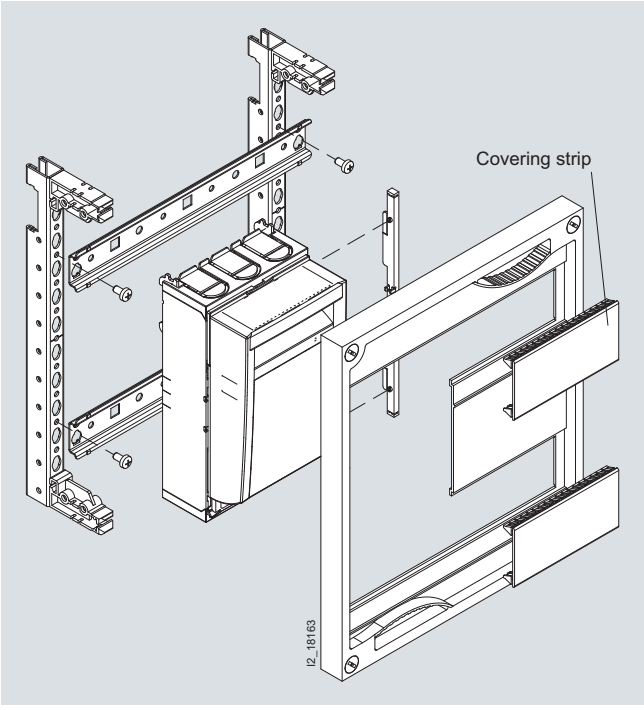
| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for unequipped panels** | | | | | | | |
| Height in mm (external dimensions) | Width in mm (external dimensions) | | | | | | |
| 150 | 250 | A | **8GK4 501-1KK11** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-1KK21** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 501-2KK11** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK21** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK11** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-3KK21** | | 1 | 1 | 039 |
| 600 | 250 | A | **8GK4 501-4KK11** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-4KK21** | | 1 | 1 | 039 |

For accessories, see page 2/11 ff.

## Mounting of fuse switch disconnectors

## Overview

Installation of the size NH000 and NH00 3NP1 fuse switch disconnectors in the ALPHA 160 wall-mounted distribution board is performed with the assembly kits for modular installation devices. Here the fuse switch disconnector is mounted between the standard mounting rails and the front cover on the modular installation devices cut out appropriately (see graphic).




* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories



## Unequipped distribution boards and partially equipped distribution boards

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 912-0KK10 | **Wall-mounting rails**<br>• For all wall-mounted distribution boards<br>• The distribution board allows fast and accurate mounting by one person | | | | | | |
| | Length in mm | | | | | | |
| | • 250 | B | **8GK9 912-0KK10** | | 1 | 1 | 039 |
| | • 500 | A | **8GK9 912-0KK20** | | 1 | 1 | 039 |
| | • 750 | A | **8GK9 912-0KK30** | | 1 | 1 | 039 |
| | • 1000 | A | **8GK9 912-0KK40** | | 1 | 1 | 039 |
| | • 1250 | A | **8GK9 912-0KK50** | | 1 | 1 | 039 |
| | **Cabinet mounting lugs, flat** | | | | | | |
| | Versions | | | | | | |
| | • For mounting and fixing a cabinet directly against the wall without spacing<br>- 1 set = 4 lugs incl. screws | A | **8GK9 910-0KK36** | | 1 set | 5 sets | 039 |
| | • For linking two cabinets and mounting and fixing directly against the wall without spacing<br>- 8GK9 910-0KK36 also required for the ends of a series of cabinets<br>- 1 set = 2 lugs incl. screws | A | **8GK9 910-0KK37** | | 1 set | 1 set | 039 |
| | **Hollow-wall sets**<br>For fixing flush-mounting distribution boards in hollow-walls | A | **8GK9 910-0KK28** | | 1 set | 1 set | 039 |
|  8GK9 560-0KK04 | **Locking systems** | | | | | | |
| | Versions | | | | | | |
| | • Standard locking devices<br>- Made of plastic<br>- Black<br>- With rotary handle for wall-mounted distribution board, degree of protection IP43<br>- Cannot be retrofitted to other locking devices | A | **8GK9 560-0KK04** | | 1 | 1 | 039 |
| | • Rotary handle locking devices for profile cylinders<br>- For wall-mounted distribution boards with degree of protection IP43/IP55, with mounting option for a profile semicylinder (length 40 mm)<br>- Suitable for E012 or Senat tumbler<br>- Black | A | **8GK9 560-0KK06** | | 1 | 1 | 039 |
| | • Lockable rotary handles<br>- Incl. E012 lock and two keys | A | **8GK9 560-0KK13** | | 1 | 1 | 039 |
| | **Profile semicylinders** | | | | | | |
| | Versions | | | | | | |
|  8GK9 560-0KK07 | • With E012 lock and two keys | A | **8GK9 560-0KK07** | | 1 | 1 | 039 |
|  8GK9 560-0KK08 | • With Senat tumbler and two keys | C | **8GK9 560-0KK08** | | 1 | 1 | 039 |
|  8GK9 560-0KK10 | • With 3-mm pin as double-bit lock | A | **8GK9 560-0KK10** | | 1 | 1 | 039 |
|  8GK9 000-0KK02 | **2-component flanges**<br>• For fast and correct wiring<br>• With 44 possible knockouts<br>• Comprising 2 elastic components | A | **8GK9 000-0KK02** | | 1 | 1 | 039 |
| SIEMENS 8GD9 084 | **Siemens nameplates**<br>• Made of aluminum<br>• Self-adhesive<br>• Petrol | A | **8GD9 084** | | 1 | 1 | 042 |
| | **Paint sticks**<br>• RAL 9016 (traffic white)<br>• 12 g | A | **8GK9 910-0KK15** | | 1 | 1 | 039 |
| | **Paint spray cans**<br>• RAL 9016 (traffic white)<br>• 400 ml | C | **8GK9 910-0KK17** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Partitions**<br>• For the visual and spatial separation of different potentials<br>• Material: plastic | | | | | | |
| | Versions | | | | | | |
|  <br>8GK9 001-3KK01 | • Vertical | | | | | | |
| | - Height 450 mm | A | **8GK9 001-3KK01** | | 1 | 1 | 039 |
| | - Height 600 mm | B | **8GK9 001-4KK01** | | 1 | 1 | 039 |
| | - Height 750 mm | B | **8GK9 001-5KK01** | | 1 | 1 | 039 |
| | - Height 900 mm | A | **8GK9 001-6KK01** | | 1 | 1 | 039 |
| | - Height 1050 mm | A | **8GK9 001-7KK01** | | 1 | 1 | 039 |
|  <br>8GK9 002-0KK10 | • Horizontal<br>- Width 250 mm | A | **8GK9 002-0KK10** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK10 | **N/PE bars**<br>• For mounting on longitudinal stays, with 2 × 29 clamping points, 16 mm$^2$<br>• 250 mm long | A | **8GK9 910-0KK10** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK11 | **N/PE bars as plug-in terminals** | | | | | | |
| | Versions | | | | | | |
| | • Each with 6 screw terminals from 2.5 ... 16 mm$^2$ and 21 plug-in terminals from 1.5 ... 4 mm$^2$ for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK11** | | 1 | 1 | 039 |
| | • With 6 screw terminals from 2.5 ... 6 mm$^2$ and 21 plug-in terminals from 1.5 ... 4 mm$^2$ for PE bar and one N bar each with 2 screw terminals from 2.5 ... 16 mm$^2$ and 10 plug-in terminals from 1.5 ... 4 mm$^2$ for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK12** | | 1 | 1 | 039 |
|  <br>8GS4 034-1 | **N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 2 × screw terminal, conductor cross-section max. 16 mm$^2$<br>• 14 × plug-in terminal, conductor cross-section max. 4 mm$^2$ | ► | **8GS4 034-1** | | 1 | 1 | 043 |
|  <br>8GS4 034-2 | **PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• 2 × screw terminal, conductor cross-section max. 16 mm$^2$<br>• 14 × plug-in terminal, conductor cross-section max. 4 mm$^2$ | ► | **8GS4 034-2** | | 1 | 1 | 043 |
|  <br>8GS4 034-3 | **N/PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 mm$^2$ 1)<br>• 7 × plug-in terminal, conductor cross-section max. 4 mm$^2$ 1) | ► | **8GS4 034-3** | | 1 | 1 | 043 |
| | Footnote | | | | | | |
| | 1) Per PE or N potential. | | | | | | |

* You can order this quantity or a multiple thereof.

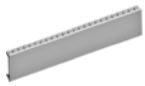
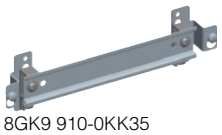
© Siemens AG 2010



# Accessories



## Quick-assembly kits and standard assembly kits

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GS4 034-4 | **N/N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 $mm^2$ 1)<br>• 7 × plug-in terminal, conductor cross-section max. 4 $mm^2$ 1)<br>Footnote<br>1) Per PE or N potential. | ► | **8GS4 034-4** | | 1 | 1 | 043 |
|  8GK9 910-0KK20 | **Supports for front cover**<br>• Short version<br>• Material: plastic<br>• 1 set = 4 supports | A | **8GK9 910-0KK20** | | 1 set | 5 sets | 039 |
|  8GK9 910-0KK00 | **Blanking strips**<br>Color RAL 7035 (light gray)<br>Versions | | | | | | |
| | • For 12 MW (1 MW = 18 mm) | A | **8GK9 910-0KK00** | | 1 | 10 | 039 |
| | • Length 1 m, without pressure-relief joint, to cut to length | A | **8GK9 910-0KK01** | | 1 | 1 | 039 |
|  8GK9 910-0KK27 | **ALPHA assembly tools**<br>• For supports<br>• Short and long version<br>• With ergonomic handle for supports | A | **8GK9 910-0KK27** | | 1 | 1 | 039 |
|  8GK9 910-0KK35 | **Standard mounting rails, lowered**<br>Width | | | | | | |
| | • 250 mm | A | **8GK9 910-0KK35** | | 1 | 1 | 039 |
| | • 500 mm NEW | C | **8GK9 910-0KK40** | | 1 set | 1 set | 039 |
| | • 750 mm NEW | C | **8GK9 910-0KK41** | | 1 set | 1 set | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA 400 - DIN Wall-Mounted Distribution Boards

3






3/2 **Introduction**

**Unequipped Distribution Boards (Flat Pack)**
3/6 8GK1 surface-mounting distribution boards

**Pre-Assembled Unequipped Distribution Boards**
3/7 8GK1 surface-mounting distribution boards, IP43
3/8 8GK1 surface-mounting distribution boards, IP55
3/9 8GK1 flush-mounting distribution boards

**Quick-Assembly Kits for Unequipped Distribution Boards**
3/10 8GK4 quick-assembly kits for modular installation devices
3/12 8GK4 quick-assembly kit combinations

**Assembly Kits for Unequipped Distribution Boards**
3/12 8GK4 longitudinal stays
3/13 8GK4 assembly kits for modular installation devices
3/14 8GK4 assembly kits for terminal blocks
3/15 8GK4 assembly kits with mounting plates
3/16 8GK4 assembly kits for unequipped panels
3/16 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm
3/17 8GK4 assembly kits for 3NP fuse switch disconnectors for mounting on support plate
3/18 8GK4 assembly kits for 3NP fuse switch disconnectors for busbar mounting
3/19 8GK4/8GE3 assembly kits for SENTRON VL/VF circuit-breakers
3/19 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems
3/20 8GK4 assembly kits for SR60 busbar systems, 60 mm
3/22 8GE assembly kits for meter mounting

**Accessories**
3/23 Unequipped distribution boards
3/25 Quick-assembly kits and assembly kits

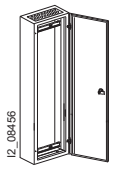
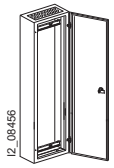
© Siemens AG 2010



## Introduction



### Overview

| ALPHA 400 - DIN wall-mounted distribution boards | | Page | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Cabinet depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | mm | 1 | 2 | |
|  | Unequipped distribution boards, flat pack | 3/6 | ✔ | -- | 400 | 210 | ✔ | ✔ | IP43 |
|  | Unequipped distribution boards, pre-assembled | 3/7 | ✔ | ✔ | 400 | 210 | ✔ | ✔ | IP31 / IP43 / IP55 |



#### *System*

The modular design of our new Siemens distribution board system draws on our long years of experience in the distribution board sector.

This system has been tailored to meet individual requirements for distribution board installation.

The system comprises flat packed unequipped distribution boards for surface-mounting distribution boards (delivery in individual parts for self-assembly), pre-assembled unequipped distribution boards for surface and flush-mounting distribution boards, cabinet-height quick-assembly kits for ultra fast equipping and wiring, assembly kits for project-related and individual assembly – and an extensive range of accessories.

#### *Enclosures*

- Material: electrogalvanized and powder-coated sheet steel.
- Sheet thickness, degree of protection IP43: body 0.75 mm, door 1 mm
- Sheet thickness, degree of protection IP55: body 1 mm, door 1 mm
- Color: RAL 9016 (traffic white). Further RAL colors are available on request.

#### *Quick-assembly kits and standard assembly kits*

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g., for switching devices and modular installation devices.

The largest switching devices that can be mounted with the ALPHA 400 - DIN wall-mounted distribution boards are Siemens switching devices with a rated current of 400 A.

#### *Cabinet dimensions*

- All dimensions are stated in mm.
- Height (internal/external): 600/650, 750/800, 900/950, 1050/1100, 1200/1250, 1350/1400
- Width (internal/external): 250/300, 500/550, 750/800, 1000/1050, 1250/1300
- Depth (external): 210
- Assembly kits in panel-size grid dimensions height x width: 150 x 250

© Siemens AG 2010







### *Flat pack*

The new delivery option for the ALPHA distribution board product range offered by Siemens is both a new product and an innovation.

Flat packed distribution boards are delivered as individual parts packaged in cardboard boxes for self-assembly.

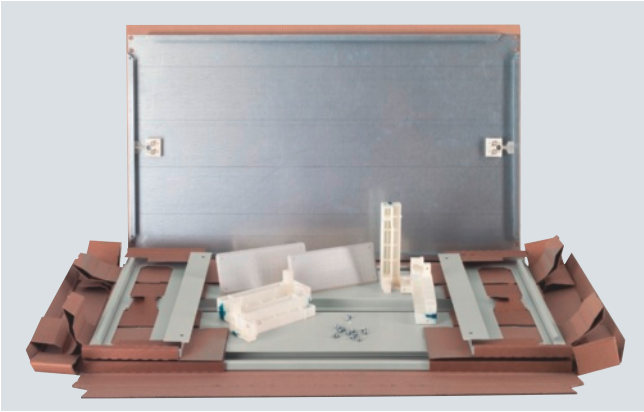
These boxes contain all essential individual parts, complete with brief mounting instructions and all mounting accessories.

Only a few manual steps are required to assemble the individual system components to create wall or floor-mounted distribution boards of degree of protection IP43.

The only tool required for such assembly is a one-size screwdriver.

This offers clear advantages and customer benefits: a considerable reduction in the delivery volume and storage space required.

It goes without saying that the distribution boards can also be delivered as pre-assembled items.



## Benefits

- Flat pack delivery option (assembly kit for self-assembly, i.e., the quick-assembly kits and standard assembly kits can be mounted directly onto the platform) or delivered as a pre-assembled unequipped distribution board
- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Comprehensive range of cabinet-high and frequently used quick-assembly kits and standard assembly kits for individual and project-related assembly
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- Fast mounting times thanks to quick-assembly kits
- System concept according to DIN, EN and VDE regulations
- Solid sheet-steel enclosure
- Degree of protection: surface-mounting version: IP43 with door, IP55 with door; flush-mounting version: IP31 with door and integrated masking frame
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 180°
- Replaceable locking systems (accessories)
- Transparent doors in Giugiaro design (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly and recyclable plastics.

## Application

ALPHA 400 - DIN wall-mounted distribution boards are used for all applications where an ALPHA 160 - DIN wall-mounted distribution board does not provide sufficient equipping or wiring space, e.g. in residential, administrative, non-residential, commercial and industrial buildings.

With a mounting depth of 210 mm, it ideally supplements the Siemens distribution board product ranges.

The distribution board and its components are of modular design.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

The ALPHA 400 - DIN wall-mounted distribution board range comprises wall-mounted distribution boards with up to 9 modular installation devices, each with 12 MW per mounting width (250 mm). The standard mounting rail tier spacing is 125 mm or 150 mm. A total of 5 cabinet mounting widths are available, each with an internal dimension of 250 mm.

The distribution boards can be supplied in safety class 1 (protective conductor connection) or safety class 2 (total insulation). The standard degree of protection for surface-mounting distribution boards is IP43 and IP55. The standard degree of protection for flush-mounting distribution boards is IP31. The rated current is 400 A.

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting.

Cabinet-high quick-assembly kits or assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching devices and modular installation devices.

© Siemens AG 2010







## Design

### *Platform concept*

A further innovation of the ALPHA distribution board product range is the "platform concept", which means that all supporting build-in components are mounted directly onto the platform (rear plate).

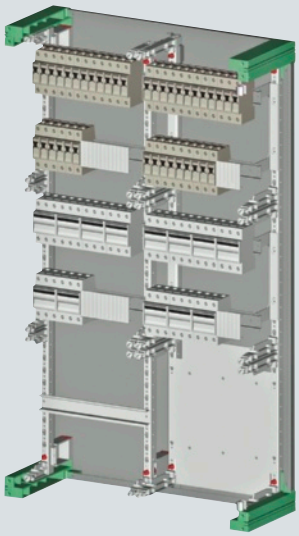
The covering parts (side panels, roofing plates, base plates and doors) are either assembled immediately or at a later point in time, irrespective of the assembly kits. The fact that the quick-assembly kits and standard assembly kits can be equipped and wired with modular installation devices is an additional advantage.

The fully wired assembly kits can then be placed on the platform and secured to the rear plate with a quick-acting lug. In addition, both the quick-assembly kits and the standard assembly kits can also be secured with a screw, which is included in delivery. The enclosure covering parts such as top, base and side plates are then mounted.

The available wiring space can be optimally utilized as the rear plates of the modular installation devices can be manually accessed from all four sides.

The advantage of being able to fit the remaining parts of the enclosure at a later stage also makes it possible to prevent damage to the coating or other visual damage.

During the mounting phase, the platform can be optionally mounted with or without the covering parts and doors. The fully equipped and wired standard assembly kits or quick-assembly kits are then simply snapped onto the platform or in the pre-assembled unequipped distribution board.



The fully equipped and wired standard assembly kits or quick-assembly kits are fastened directly onto the platform (rear plate).



The front covers can now be mounted.



And finally, the covering parts, i.e., the top, base and side plates are mounted.

© Siemens AG 2010



## Technical specifications

| | |
|---|---|
| Overvoltage category | III |
| Rated impulse withstand voltage $U_{imp}$ in kV | 6 |
| Clearance and creepage distances | DIN VDE 0110 |
| Rated insulation voltage $U_i$ in V | 690 |
| Rated operational voltage $U_e$ in V AC/DC | 690 |
| Rated voltage $U_n$ (40 Hz ... 60 Hz AC) in V | 690 for built-in devices |
| Rated current in A | Up to 400 |
| Rated peak short-circuit current $I_{pk}$ in kA | Up to 76 (3-pole)[2] |
| Rated short-time current $I_{cw}$ in kA | 34, conduction interval of 1 s |
| Protective measures | Safety class 1 (protective conductor connection)<br>Safety class 2 (total insulation) |
| Number of conductors within the busbar run | 4/5 |
| Degree of protection acc. to EN 60529 | Surface mounting: IP43 with door, IP55 with door<br>Flush mounting: IP31 with door and integrated masking frame |
| Standard mounting rail tier spacing per standard mounting rail tier in mm | 125/150 |
| Modular width (MW) | 18 mm, 12 MW + 1 mountable MW |
| Pollution degree | 3 |
| Ambient temperature in °C | 35 (24-h average value) |
| Relative air humidity in % | 50 at 40 °C |
| Test specifications | EN 60439-1/3 (VDE 0660 Part 500/504), DIN VDE 0603-1 |
| Enclosures | Sheet steel |
| Mounting dimensions | DIN 43870 |
| Surface | Electrogalvanized and powder-coated |
| Color<br>• Enclosure [1]<br>• Covers | <br>RAL 9016 (traffic white)<br>RAL 7035 (light gray) |
| Locking system | Rotary handle which may be replaced by other locking systems on request |
| Packing material | Shock-proof, environmentally-friendly |

[1] Further RAL colors are available on request.

[2] Busbar support distance: 250 mm, Cu busbar 30 mm × 10 mm.

### *Cabinet dimensions*

| **Surface-mounting distribution boards (external dimensions)** | | **Flush-mounting distribution boards with integrated masking frame (external dimensions)** | | **Recess dimensions for flush-mounting distribution board** | |
|---|---|---|---|---|---|
| **Depth 210 mm** | | **Depth 210 mm** | | **Depth 215 mm** | |
| **Height** | **Width** | **Height** | **Width** | **Height** | **Width** |
| mm | mm | mm | mm | mm | mm |
| 650 | 300<br>550<br>800<br>1050<br>1300 | -- | -- | -- | -- |
| 800 | 300<br>550<br>800<br>1050<br>1300 | 858 | 358<br>608<br>858<br>1108<br>1358 | 860 | 360<br>610<br>860<br>1110<br>1360 |
| 950 | 300<br>550<br>800<br>1050<br>1300 | 1008 | 358<br>608<br>858<br>1108<br>1358 | 1010 | 360<br>610<br>860<br>1110<br>1360 |
| 1100 | 300<br>550<br>800<br>1050<br>1300 | 1158 | 358<br>608<br>858<br>1108<br>1358 | 1160 | 360<br>610<br>860<br>1110<br>1360 |
| 1250 | 300<br>550<br>800<br>1050<br>1300 | 1308 | 358<br>608<br>858<br>1108<br>1358 | 1310 | 360<br>610<br>860<br>1110<br>1360 |
| 1400 | 300<br>550<br>800<br>1050<br>1300 | 1458 | 358<br>608<br>858<br>1108<br>1358 | 1460 | 360<br>610<br>860<br>1110<br>1360 |

© Siemens AG 2010



# Unequipped Distribution Boards (Flat Pack)

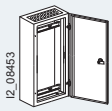
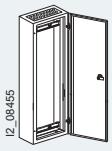
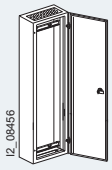
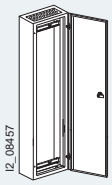
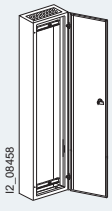
## 8GK1 surface-mounting distribution boards



### Overview

- Flat pack: distribution board assembly kit for self-assembly; the cabinet-high quick-assembly kits and standard assembly kits can be mounted directly onto the platform of this distribution board assembly kit
- Cabinet depth of 210 mm
- Degree of protection IP43
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- RAL 9016 (traffic white)
- Unassembled enclosure with unassembled enclosed door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door.
- Flanges: per panel width; one 1-component flange at the bottom, one 2-component flange at the top

### Selection and ordering data

| Internal/external dimensions | | Panel width | DT | Surface-mounting distribution boards, IP43 | | | | | DT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Safety class 1 | | | | | | Safety class 2 | | | |
| Height | Width | | | Order No. | Price per PU | PU | PS*/ P. unit | PG | | Order No. | Price per PU | PU | PS*/ P. unit | PG |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| 600/650 | 250/300 | □ | A | **8GK1 102-2KK12** | | 1 | 1 | 039 | C | **8GK1 112-2KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-2KK22** | | 1 | 1 | 039 | A | **8GK1 112-2KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-2KK32** | | 1 | 1 | 039 | A | **8GK1 112-2KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 102-2KK42** | | 1 | 1 | 039 | C | **8GK1 112-2KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 102-2KK52** | | 1 | 1 | 039 | C | **8GK1 112-2KK52** | | 1 | 1 | 039 |
| 750/800 | 250/300 | □ | A | **8GK1 102-3KK12** | | 1 | 1 | 039 | C | **8GK1 112-3KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-3KK22** | | 1 | 1 | 039 | A | **8GK1 112-3KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-3KK32** | | 1 | 1 | 039 | C | **8GK1 112-3KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 102-3KK42** | | 1 | 1 | 039 | C | **8GK1 112-3KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 102-3KK52** | | 1 | 1 | 039 | C | **8GK1 112-3KK52** | | 1 | 1 | 039 |
| 900/950 | 250/300 | □ | A | **8GK1 102-4KK12** | | 1 | 1 | 039 | A | **8GK1 112-4KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-4KK22** | | 1 | 1 | 039 | A | **8GK1 112-4KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-4KK32** | | 1 | 1 | 039 | A | **8GK1 112-4KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 102-4KK42** | | 1 | 1 | 039 | A | **8GK1 112-4KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 102-4KK52** | | 1 | 1 | 039 | C | **8GK1 112-4KK52** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | A | **8GK1 102-5KK12** | | 1 | 1 | 039 | C | **8GK1 112-5KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-5KK22** | | 1 | 1 | 039 | A | **8GK1 112-5KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-5KK32** | | 1 | 1 | 039 | A | **8GK1 112-5KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 102-5KK42** | | 1 | 1 | 039 | C | **8GK1 112-5KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 102-5KK52** | | 1 | 1 | 039 | C | **8GK1 112-5KK52** | | 1 | 1 | 039 |
| 1200/1250 | 250/300 | □ | A | **8GK1 102-6KK12** | | 1 | 1 | 039 | C | **8GK1 112-6KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-6KK22** | | 1 | 1 | 039 | A | **8GK1 112-6KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-6KK32** | | 1 | 1 | 039 | A | **8GK1 112-6KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 102-6KK42** | | 1 | 1 | 039 | A | **8GK1 112-6KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | A | **8GK1 102-6KK52** | | 1 | 1 | 039 | C | **8GK1 112-6KK52** | | 1 | 1 | 039 |
| 1350/1400 | 250/300 | □ | A | **8GK1 102-7KK12** | | 1 | 1 | 039 | C | **8GK1 112-7KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 102-7KK22** | | 1 | 1 | 039 | A | **8GK1 112-7KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 102-7KK32** | | 1 | 1 | 039 | A | **8GK1 112-7KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 102-7KK42** | | 1 | 1 | 039 | A | **8GK1 112-7KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | A | **8GK1 102-7KK52** | | 1 | 1 | 039 | A | **8GK1 112-7KK52** | | 1 | 1 | 039 |

For quick-assembly kits and standard assembly kits, see pages 3/10 to 3/20.
For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

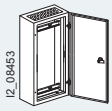
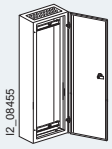
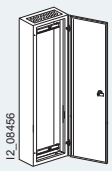
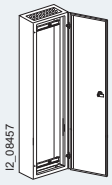
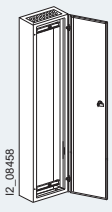
© Siemens AG 2010



## Overview

- Cabinet depth of 210 mm
- Degree of protection IP43
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- RAL 9016 (traffic white)
- Enclosure pre-assembled with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750/800 mm or more will be supplied with a double door.
- Flanges: per panel width; one 1-component flange at the bottom, one 2-component flange at the top

## Selection and ordering data

| Internal/external dimensions | | Panel width | DT | Surface-mounting distribution boards, IP43 | | | | DT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Safety class 1 | | | | | Safety class 2 | | | |
| Height | Width | | | Order No. | Price per PU | PU | PS*/ P. unit | PG | Order No. | Price per PU | PU | PS*/ P. unit | PG |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | Unit(s) | Unit(s) | |
| 600/650 | 250/300 | □ | C | **8GK1 122-2KK12** | | 1 | 1 | 039 | C | **8GK1 132-2KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 122-2KK22** | | 1 | 1 | 039 | C | **8GK1 132-2KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 122-2KK32** | | 1 | 1 | 039 | C | **8GK1 132-2KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 122-2KK42** | | 1 | 1 | 039 | C | **8GK1 132-2KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-2KK52** | | 1 | 1 | 039 | C | **8GK1 132-2KK52** | | 1 | 1 | 039 |
| 750/800 | 250/300 | □ | C | **8GK1 122-3KK12** | | 1 | 1 | 039 | C | **8GK1 132-3KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 122-3KK22** | | 1 | 1 | 039 | C | **8GK1 132-3KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 122-3KK32** | | 1 | 1 | 039 | C | **8GK1 132-3KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 122-3KK42** | | 1 | 1 | 039 | C | **8GK1 132-3KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-3KK52** | | 1 | 1 | 039 | C | **8GK1 132-3KK52** | | 1 | 1 | 039 |
| 900/950 | 250/300 | □ | A | **8GK1 122-4KK12** | | 1 | 1 | 039 | A | **8GK1 132-4KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 122-4KK22** | | 1 | 1 | 039 | A | **8GK1 132-4KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 122-4KK32** | | 1 | 1 | 039 | A | **8GK1 132-4KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 122-4KK42** | | 1 | 1 | 039 | A | **8GK1 132-4KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-4KK52** | | 1 | 1 | 039 | A | **8GK1 132-4KK52** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | A | **8GK1 122-5KK12** | | 1 | 1 | 039 | A | **8GK1 132-5KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 122-5KK22** | | 1 | 1 | 039 | A | **8GK1 132-5KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 122-5KK32** | | 1 | 1 | 039 | A | **8GK1 132-5KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 122-5KK42** | | 1 | 1 | 039 | A | **8GK1 132-5KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-5KK52** | | 1 | 1 | 039 | C | **8GK1 132-5KK52** | | 1 | 1 | 039 |
| 1200/1250 | 250/300 | □ | C | **8GK1 122-6KK12** | | 1 | 1 | 039 | A | **8GK1 132-6KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 122-6KK22** | | 1 | 1 | 039 | A | **8GK1 132-6KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 122-6KK32** | | 1 | 1 | 039 | A | **8GK1 132-6KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 122-6KK42** | | 1 | 1 | 039 | A | **8GK1 132-6KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-6KK52** | | 1 | 1 | 039 | C | **8GK1 132-6KK52** | | 1 | 1 | 039 |
| 1350/1400 | 250/300 | □ | C | **8GK1 122-7KK12** | | 1 | 1 | 039 | A | **8GK1 132-7KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 122-7KK22** | | 1 | 1 | 039 | A | **8GK1 132-7KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 122-7KK32** | | 1 | 1 | 039 | A | **8GK1 132-7KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 122-7KK42** | | 1 | 1 | 039 | A | **8GK1 132-7KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 122-7KK52** | | 1 | 1 | 039 | A | **8GK1 132-7KK52** | | 1 | 1 | 039 |

For quick-assembly kits and standard assembly kits, see pages 3/10 to 3/20.
For accessories, see page 3/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Pre-Assembled Unequipped Distribution Boards

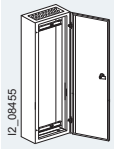
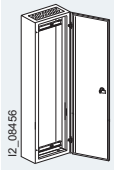
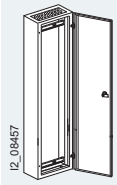
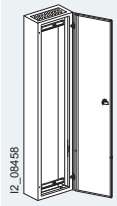
## 8GK1 surface-mounting distribution boards, IP55



### Overview

- Cabinet depth of 210 mm
- Degree of protection IP55
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- RAL 9016 (traffic white)
- Enclosure pre-assembled with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door.
- Flanges: per panel width: one 2-component flange each at the top and bottom

### Selection and ordering data

| Internal/external dimensions | | Panel width | DT | Surface-mounting distribution boards, IP55 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Safety class 1 | | | | | DT | Safety class 2 | | | |
| Height | Width | | | Order No. | Price per PU | PU | PS*/ P. unit | PG | | Order No. | Price per PU | PU | PS*/ P. unit | PG |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| 900/950 | 250/300 | □ | A | **8GK1 123-4KK12** | | 1 | 1 | 039 | C | **8GK1 133-4KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 123-4KK22** | | 1 | 1 | 039 | A | **8GK1 133-4KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 123-4KK32** | | 1 | 1 | 039 | C | **8GK1 133-4KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 123-4KK42** | | 1 | 1 | 039 | C | **8GK1 133-4KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 123-4KK52** | | 1 | 1 | 039 | C | **8GK1 133-4KK52** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | C | **8GK1 123-5KK12** | | 1 | 1 | 039 | A | **8GK1 133-5KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 123-5KK22** | | 1 | 1 | 039 | C | **8GK1 133-5KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 123-5KK32** | | 1 | 1 | 039 | C | **8GK1 133-5KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 123-5KK42** | | 1 | 1 | 039 | C | **8GK1 133-5KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 123-5KK52** | | 1 | 1 | 039 | C | **8GK1 133-5KK52** | | 1 | 1 | 039 |
| 1200/1250 | 250/300 | □ | C | **8GK1 123-6KK12** | | 1 | 1 | 039 | C | **8GK1 133-6KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 123-6KK22** | | 1 | 1 | 039 | C | **8GK1 133-6KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 123-6KK32** | | 1 | 1 | 039 | C | **8GK1 133-6KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 123-6KK42** | | 1 | 1 | 039 | C | **8GK1 133-6KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 123-6KK52** | | 1 | 1 | 039 | C | **8GK1 133-6KK52** | | 1 | 1 | 039 |
| 1350/1400 | 250/300 | □ | A | **8GK1 123-7KK12** | | 1 | 1 | 039 | C | **8GK1 133-7KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 123-7KK22** | | 1 | 1 | 039 | C | **8GK1 133-7KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | A | **8GK1 123-7KK32** | | 1 | 1 | 039 | A | **8GK1 133-7KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | A | **8GK1 123-7KK42** | | 1 | 1 | 039 | C | **8GK1 133-7KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 123-7KK52** | | 1 | 1 | 039 | C | **8GK1 133-7KK52** | | 1 | 1 | 039 |

For quick-assembly kits and standard assembly kits, see pages 3/10 to 3/20.
For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

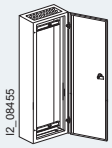
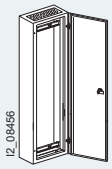
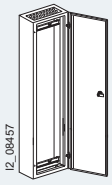
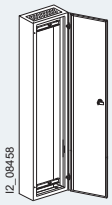


## Overview

- Cabinet depth of 210 mm
- Degree of protection: IP31 (flush-mounting design comes with an integrated masking frame)
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- RAL 9016 (traffic white)
- Enclosure pre-assembled with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750/800 mm or more will be supplied with a double door.
- Flanges:
  - Safety class 1 is delivered without flange
  - Safety class 2 include a 1-component flange, top and bottom

Note: Wall anchors are included in delivery with flush-mounting distribution boards.

## Selection and ordering data

| Internal/external dimensions | | Panel width | DT | Flush-mounting distribution boards, IP31 | | | | | DT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Safety class 1 | | | | | | Safety class 2 | | | |
| Height | Width | | | Order No. | Price per PU | PU | PS*/ P. unit | PG | | Order No. | Price per PU | PU | PS*/ P. unit | PG |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| 750/800 | 250/300 | □ | C | **8GK1 121-3KK12** | | 1 | 1 | 039 | C | **8GK1 131-3KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 121-3KK22** | | 1 | 1 | 039 | C | **8GK1 131-3KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 121-3KK32** | | 1 | 1 | 039 | A | **8GK1 131-3KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 121-3KK42** | | 1 | 1 | 039 | C | **8GK1 131-3KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 121-3KK52** | | 1 | 1 | 039 | C | **8GK1 131-3KK52** | | 1 | 1 | 039 |
| 900/950 | 250/300 | □ | C | **8GK1 121-4KK12** | | 1 | 1 | 039 | C | **8GK1 131-4KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | A | **8GK1 121-4KK22** | | 1 | 1 | 039 | C | **8GK1 131-4KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 121-4KK32** | | 1 | 1 | 039 | C | **8GK1 131-4KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 121-4KK42** | | 1 | 1 | 039 | C | **8GK1 131-4KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 121-4KK52** | | 1 | 1 | 039 | C | **8GK1 131-4KK52** | | 1 | 1 | 039 |
| 1050/1100 | 250/300 | □ | C | **8GK1 121-5KK12** | | 1 | 1 | 039 | C | **8GK1 131-5KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 121-5KK22** | | 1 | 1 | 039 | C | **8GK1 131-5KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 121-5KK32** | | 1 | 1 | 039 | C | **8GK1 131-5KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 121-5KK42** | | 1 | 1 | 039 | C | **8GK1 131-5KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 121-5KK52** | | 1 | 1 | 039 | C | **8GK1 131-5KK52** | | 1 | 1 | 039 |
| 1200/1250 | 250/300 | □ | A | **8GK1 121-6KK12** | | 1 | 1 | 039 | C | **8GK1 131-6KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 121-6KK22** | | 1 | 1 | 039 | C | **8GK1 131-6KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 121-6KK32** | | 1 | 1 | 039 | C | **8GK1 131-6KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 121-6KK42** | | 1 | 1 | 039 | C | **8GK1 131-6KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 121-6KK52** | | 1 | 1 | 039 | C | **8GK1 131-6KK52** | | 1 | 1 | 039 |
| 1350/1400 | 250/300 | □ | C | **8GK1 121-7KK12** | | 1 | 1 | 039 | C | **8GK1 131-7KK12** | | 1 | 1 | 039 |
|  | 500/550 | □□ | C | **8GK1 121-7KK22** | | 1 | 1 | 039 | C | **8GK1 131-7KK22** | | 1 | 1 | 039 |
| | 750/800 | □□□ | C | **8GK1 121-7KK32** | | 1 | 1 | 039 | C | **8GK1 131-7KK32** | | 1 | 1 | 039 |
| | 1000/1050 | □□□□ | C | **8GK1 121-7KK42** | | 1 | 1 | 039 | C | **8GK1 131-7KK42** | | 1 | 1 | 039 |
| | 1250/1300 | □□□□□ | C | **8GK1 121-7KK52** | | 1 | 1 | 039 | C | **8GK1 131-7KK52** | | 1 | 1 | 039 |

For quick-assembly kits and standard assembly kits, see pages 3/10 to 3/20.
For accessories, see page 3/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Quick-Assembly Kits for Unequipped Distribution Boards

## 8GK4 quick-assembly kits for modular installation devices



### Overview

Quick-assembly kits are pre-assembled cabinet-high system components for the most common applications. These kits come complete with longitudinal stays and are simply snapped into the unequipped distribution boards of the respective mounting height, thanks to the time-saving quick-locking technology.

### Selection and ordering data

| | External dimensions | | Tiers/ MW | DT | Quick-assembly kits for modular installation devices<br>Tier spacing of 125 mm, with N/PE bar | | PU | PS*/ P. unit | PG | DT | Tier spacing of 150 mm, without N/PE bar | | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| | mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
|  8GK4 001-4KK22 | 600 | 250 | 4/48 | A | **8GK4 001-4KK11** | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 8/96 | A | **8GK4 001-4KK22** | | 1 | 1 | 039 | | **--** | | | | |
|  8GK4 001-5KK22 | 750 | 250 | 5/60 | A | **8GK4 001-5KK11** | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 10/120 | A | **8GK4 001-5KK22** | | 1 | 1 | 039 | | **--** | | | | |
|  8GK4 001-6KK22 | 900 | 250 | 6/72 | A | **8GK4 001-6KK11** | | 1 | 1 | 039 | A | **8GK4 051-6KK11** | | 1 | 1 | 039 |
| | | | | A | **8GK4 003-6KK11** (with 2 N/PE bars) | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 12/144 | A | **8GK4 001-6KK22** | | 1 | 1 | 039 | A | **8GK4 101-6KK22** | | 1 | 1 | 039 |

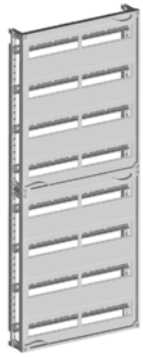
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Quick-Assembly Kits for Unequipped Distribution Boards



| | External dimensions | | Tiers/ MW | DT | Quick-assembly kits for modular installation devices<br>Tier spacing of 125 mm, with N/PE bar | | PU | PS*/ P. unit | PG | DT | Tier spacing of 150 mm, without N/PE bar | | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| | mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
|  8GK4 001-7KK11 | 1050 | 250 | 7/84 | A | **8GK4 001-7KK11** | | 1 | 1 | 039 | A | **8GK4 051-7KK11** | | 1 | 1 | 039 |
| | | | | B | **8GK4 003-7KK11** (with 2 N/PE bars) | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 14/168 | A | **8GK4 001-7KK22** | | 1 | 1 | 039 | A | **8GK4 101-7KK22** | | 1 | 1 | 039 |
|  8GK4 001-8KK12 | 1200 | 250 | 8/96 | A | **8GK4 001-8KK12** | | 1 | 1 | 039 | A | **8GK4 101-8KK12** | | 1 | 1 | 039 |
| | | | | ► | **8GK4 003-8KK12** (with 2 N/PE bars) | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 16/192 | A | **8GK4 001-8KK22** | | 1 | 1 | 039 | A | **8GK4 101-8KK22** | | 1 | 1 | 039 |
|  8GK4 002-8KK12 | 1350 | 250 | 9/108 | A | **8GK4 002-8KK12** | | 1 | 1 | 039 | B | **8GK4 102-8KK12** | | 1 | 1 | 039 |
| | | | | A | **8GK4 003-8KK13** (with 2 N/PE bars) | | 1 | 1 | 039 | | **--** | | | | |
| | | 500 | 18/216 | A | **8GK4 002-8KK22** | | 1 | 1 | 039 | A | **8GK4 102-8KK22** | | 1 | 1 | 039 |

The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.
The quick-assembly kits with a width of 500 mm are equipped with 15 mm standard mounting rails.

For accessories, see page 3/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Quick-Assembly Kits for Unequipped Distribution Boards

## 8GK4 quick-assembly kit combinations



### Overview

- Terminal compartment height: 300 mm
- Quick-assembly kits are pre-assembled cabinet-high system components for the most common applications. These kits come complete with longitudinal stays and are simply snapped and can be simply snapped into the unequipped distribution boards of the respective mounting height.

### Selection and ordering data

| | Version | External dimensions in mm | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| | | Height | Width | | | | Unit(s) | Unit(s) | |
| | **Quick-assembly kit combinations, tier spacing 150 mm, without N-/PE-bar** | | | | | | | | |
|  8GK4 103-6KK12 | • For terminal blocks, modular installation devices and 3NP40 70 fuse switch disconnectors | 900 | 250 | B | **8GK4 103-6KK12** | | 1 | 1 | 039 |
| | | 1050 | 250 | B | **8GK4 103-7KK12** | | 1 | 1 | 039 |
| | | 1200 | 250 | B | **8GK4 103-8KK12** | | 1 | 1 | 039 |
| | | 1350 | 250 | B | **8GK4 104-8KK12** | | 1 | 1 | 039 |
|  8GK4 105-6KK12 | • For terminal blocks, modular installation devices and unequipped panels | 900 | 250 | B | **8GK4 105-6KK12** | | 1 | 1 | 039 |
| | | | 500 | B | **8GK4 105-6KK22** | | 1 | 1 | 039 |
| | | 1050 | 250 | B | **8GK4 105-7KK12** | | 1 | 1 | 039 |
| | | | 500 | B | **8GK4 105-7KK22** | | 1 | 1 | 039 |
| | | 1200 | 250 | B | **8GK4 105-8KK12** | | 1 | 1 | 039 |
| | | | 500 | B | **8GK4 105-8KK22** | | 1 | 1 | 039 |
| | | 1350 | 250 | B | **8GK4 106-8KK12** | | 1 | 1 | 039 |
| | | | 500 | B | **8GK4 106-8KK22** | | 1 | 1 | 039 |

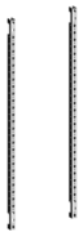
The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.
The quick-assembly kits with a width of 500 mm are equipped with 15 mm standard mounting rails.

For accessories, see page 3/23 ff.

# Assembly Kits for Unequipped Distribution Boards

## 8GK4 longitudinal stays

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
|  | **Longitudinal stays**<br>• To mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• 1 set = 2 stays | | | | | | |
| | Height in mm | | | | | | |
| | 600 | A | **8GK4 851-4KK00** | | 1 set | 1 set | 039 |
| | 750 | A | **8GK4 851-5KK00** | | 1 set | 1 set | 039 |
| | 900 | A | **8GK4 851-6KK00** | | 1 set | 1 set | 039 |
| | 1050 | A | **8GK4 851-7KK00** | | 1 set | 1 set | 039 |
| | 1200 | A | **8GK4 851-8KK00** | | 1 set | 1 set | 039 |
| | 1350 | A | **8GK4 852-8KK00** | | 1 set | 1 set | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

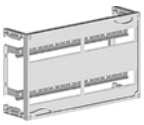


## Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 150, 300, 450, 600
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

## Selection and ordering data

| | External dimensions | | Tiers/ MW | DT | Assembly kits for modular installation devices | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Tier spacing of 125 mm, without N/PE bar | | PU | PS*/ P. unit | PG | DT | Tier spacing of 150 mm, without N/PE bar | | PU | PS*/ P. unit | PG |
| | Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| | mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
|  8GK4 351-1KK12 | 150 | 250 | 1/12 | | -- | | | | | A | **8GK4 351-1KK12** | | 1 | 1 | 039 |
| | | 500 | 1/24 | | -- | | | | | A | **8GK4 351-1KK22** | | 1 | 1 | 039 |
| | | 750 | 1/36 | | -- | | | | | A | **8GK4 351-1KK32** | | 1 | 1 | 039 |
|  8GK4 351-2KK12 | 300 | 250 | 2/24 | A | **8GK4 301-2KK12** | | 1 | 1 | 039 | A | **8GK4 351-2KK12** | | 1 | 1 | 039 |
| | | 500 | 2/48 | A | **8GK4 301-2KK22** | | 1 | 1 | 039 | A | **8GK4 351-2KK22** | | 1 | 1 | 039 |
| | | 750 | 2/72 | | -- | | | | | A | **8GK4 351-2KK32** | | 1 | 1 | 039 |
|  8GK4 351-3KK12 | 450 | 250 | 3/36 | A | **8GK4 301-3KK12** | | 1 | 1 | 039 | A | **8GK4 351-3KK12** | | 1 | 1 | 039 |
| | | 500 | 3/72 | A | **8GK4 301-3KK22** | | 1 | 1 | 039 | A | **8GK4 351-3KK22** | | 1 | 1 | 039 |
| | | 750 | 3/108 | | -- | | | | | A | **8GK4 351-3KK32** | | 1 | 1 | 039 |
|  8GK4 351-4KK12 | 600 | 250 | 4/48 | A | **8GK4 301-4KK12** | | 1 | 1 | 039 | A | **8GK4 351-4KK12** | | 1 | 1 | 039 |
| | | 500 | 4/96 | A | **8GK4 301-4KK22** | | 1 | 1 | 039 | A | **8GK4 351-4KK22** | | 1 | 1 | 039 |
| | | 750 | 4/144 | | -- | | | | | A | **8GK4 351-4KK32** | | 1 | 1 | 039 |

The assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.
The assembly kits with a width of 500/750 mm are equipped with 15 mm standard mounting rails.

For accessories, see page 3/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for terminal blocks

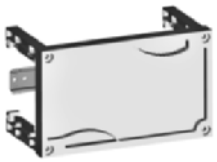


### Overview

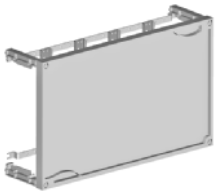
- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - For horizontal terminal blocks
    - Height: 150, 300, 450
    - Width: 250, 500, 750
    - Panel-size grid dimensions H × W: 150 × 250
  - For vertical terminal blocks
    - Height: 300, 450, 600
    - Width: 250, 500, 750
    - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

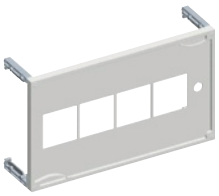
### Selection and ordering data



8GK4 401-1KK12



8GK4 402-2KK12



8GK4 500-2KK20

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for horizontal terminal blocks**<br>• Terminal blocks are installed on graded insulating mountings<br>• With closed front cover | | | | | | | |
| External dimensions in mm | | | | | | | |
| Height | Width | | | | | | |
| 150 | 250 | A | **8GK4 401-1KK12** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 401-2KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 401-2KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 401-2KK32** | | 1 | 1 | 039 |
| 450 | 500 | A | **8GK4 401-3KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 401-3KK32** | | 1 | 1 | 039 |
| **Assembly kits for vertical terminal blocks**<br>• Terminal blocks are installed on insulating mountings<br>• With closed front cover | | | | | | | |
| External dimensions in mm | | | | | | | |
| Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 402-2KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 402-2KK22** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 402-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 402-3KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 402-3KK22** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 402-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | A | **8GK4 402-4KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 402-4KK22** | | 1 | 1 | 039 |
| **Assembly kit front covers for measuring instruments** | | C | **8GK4 500-2KK20** | | 1 | 1 | 039 |

For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover including supports, mounting brackets (depth-adjustable), screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450, 600
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:
- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).
- If the fitted mounting plate extends over several panel widths, it is not possible to place a longitudinal stay in the middle.

## Selection and ordering data



8GK4 451-2KK12

**Assembly kits with mounting plates**
With closed front cover

| Assembly kit external dimensions in mm | | Mounting plate dimensions in mm | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| Height | Width | Height | Width | | | | Unit(s) | Unit(s) | |
| 300 | 250 | 245 | 207.5 | A | **8GK4 451-2KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-2KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | 395 | 207.5 | A | **8GK4 451-3KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-3KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | 545 | 207.5 | A | **8GK4 451-4KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-4KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | A | **8GK4 451-4KK32** | | 1 | 1 | 039 |



8GK9 531-4KK10

**Cabinet-high mounting plates**
- With fixing screws
- Sendzimir-galvanized sheet steel
- For mounting on longitudinal stays
- No covers available
- Not depth-adjustable

| External dimensions in mm | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| Height | Width | | | | Unit(s) | Unit(s) | |
| 600 | 250 | C | **8GK9 531-4KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 531-4KK20** | | 1 | 1 | 039 |
| 750 | 250 | C | **8GK9 531-5KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 531-5KK20** | | 1 | 1 | 039 |
| 900 | 250 | C | **8GK9 531-6KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 531-6KK20** | | 1 | 1 | 039 |
| 1050 | 250 | C | **8GK9 531-7KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 531-7KK20** | | 1 | 1 | 039 |
| 1200 | 250 | C | **8GK9 531-8KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 531-8KK20** | | 1 | 1 | 039 |
| 1350 | 250 | C | **8GK9 532-8KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 532-8KK20** | | 1 | 1 | 039 |

For accessories, see page 3/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards



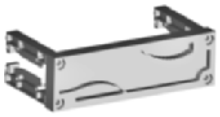
## 8GK4 assembly kits for unequipped panels

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover for unequipped panels including supports, screws and mounting accessories
- Dimensions of assembly kits (mm)
  - Height: 75, 150, 300, 450, 600, 750
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

### Selection and ordering data



8GK4 501-0KK12

| Version | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
| **Assembly kits for unequipped panels**<br>Gray | | | | | | | |
| External dimensions in mm | | | | | | | |
| Height | Width | | | | | | |
| 75 | 250 | A | **8GK4 501-0KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-0KK22** | | 1 | 1 | 039 |
| 150 | 250 | A | **8GK4 501-1KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-1KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-1KK32** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 501-2KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-3KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | A | **8GK4 501-4KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-4KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-4KK32** | | 1 | 1 | 039 |
| 750 | 250 | B | **8GK4 501-5KK12** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-5KK22** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-5KK32** | | 1 | 1 | 039 |

For accessories, see page 3/23 ff.

## 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover for unequipped panels including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

### Selection and ordering data



8GK4 501-3KK23

| Version | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
| **Assembly kits for unequipped panels with deep-drawn cover, 40 mm** | | | | | | | |
| External dimensions in mm | | | | | | | |
| Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 501-2KK13** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-2KK33** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK13** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-3KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-3KK33** | | 1 | 1 | 039 |

For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for mounting on support plate

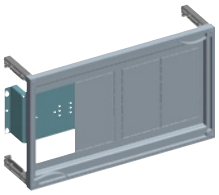


## Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

## Selection and ordering data

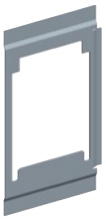


8GK4 550-2KK22

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for mounting on support plates** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123… / 3NP1 133… | 300 | 250 | A | **8GK4 550-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123… / 3NP1 133… | 300 | 500 | A | **8GK4 550-2KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143… | 450 | 250 | A | **8GK4 550-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143… | 450 | 500 | A | **8GK4 550-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153… | 450 | 250 | A | **8GK4 551-3KK12** | | 1 | 1 | 039 |
| 1 x NH3 | 1 x 3NP1 163… | 450 | 500 | A | **8GK4 551-3KK22** | | 1 | 1 | 039 |

### Accessories



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | **8GK9 912-0KK00** | | 1 | 1 | 039 |



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| • 40 mm, 5-pole | | | | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| • 60 mm, 3-pole | | | | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |

For further accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for busbar mounting

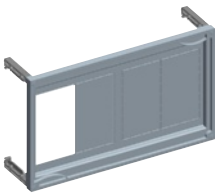


### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450
  Width: 250, 500
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:
- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).
- The Cu busbar and busbar supports must be ordered separately (see page 3/25).

### Selection and ordering data

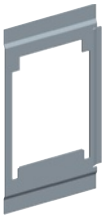


8GK4 650-2KK12

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for busbar mounting** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 300 | 250 | A | **8GK4 650-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 300 | 500 | A | **8GK4 650-2KK22** | | 1 | 1 | 039 |
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 450 | 250 | A | **8GK4 650-3KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 450 | 500 | A | **8GK4 650-3KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143... | 450 | 250 | A | **8GK4 651-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143... | 450 | 500 | A | **8GK4 651-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153... | 450 | 250 | A | **8GK4 652-3KK12** | | 1 | 1 | 039 |

**Accessories**



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW

| | | | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|
| A | **8GK9 912-0KK00** | | 1 | 1 | 039 |



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • 40 mm, 5-pole | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| • 60 mm, 3-pole | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |

For further accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8GK4/8GE3 assembly kits for SENTRON VL/VF circuit breakers



### Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450, 600, 750
  - Width: 250
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

### Selection and ordering data



8GK4 701-3KK12



8GK4 721-3KK10

| Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Assembly kits for SENTRON VL/VF circuit breakers** | | | | | | | | |
| • 3- and 4-pole, for SENTRON VL circuit breakers | | | | | | | | |
| - 1 × VL160/VL160X | 300 | 250 | A | **8GK4 701-2KK12** | | 1 | 1 | 039 |
| - 1 × VL160X, 1 × VL160, 1 × VL250 | 450 | 250 | A | **8GK4 701-3KK12** | | 1 | 1 | 039 |
| - 1 × VL400 | 600 | 250 | A | **8GK4 702-4KK12** | | 1 | 1 | 039 |
| • 3- and 4-pole for SENTRON VF circuit breakers | | | | | | | | |
| - 1 × 3VF2 | 300 | 250 | C | **8GE3 712-1** | | 1 | 1 | 042 |
| - 1 × 3VF3 | 300 | 250 | B | **8GE3 710-7** | | 1 | 1 | 042 |
| - 1 × 3VF4 | 450 | 250 | C | **8GE3 711-0** | | 1 | 1 | 042 |
| - 1 × 3VF5 | 450 | 250 | C | **8GE3 711-2** | | 1 | 1 | 042 |
| • For installation with mounted RCD module | | | | | | | | |
| - 1 × VL160X + RCD | 450 | 250 | A | **8GK4 720-3KK10** | | 1 | 1 | 039 |
| - 1 × VL160/VL250 + RCD | 450 | 250 | A | **8GK4 721-3KK10** | | 1 | 1 | 039 |
| - 1 × VL400 + RCD | 750 | 250 | A | **8GK4 720-5KK10** | | 1 | 1 | 039 |

For accessories, see page 3/23 ff.

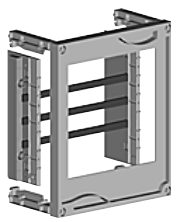
## 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, busbar supports for bus-mounting fuse bases, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:
- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).
- The Cu busbar must be ordered separately (see page 3/25).

### Selection and ordering data



8GK4 801-2KK12

| Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Assembly kits for bus-mounting fuse bases, for mounting on busbar systems** 3-pole, busbar center-to-center clearance of 60 mm | | | | | | | | |
| • 7 x NEOZED D02 | 300 | 250 | A | **8GK4 801-2KK12** | | 1 | 1 | 039 |
| • 7 x NEOZED D02 | 450 | 250 | A | **8GK4 801-3KK12** | | 1 | 1 | 039 |
| Note | | | | | | | | |
| Two busbar supports are included in the assembly kit. | | | | | | | | |

For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for SR60 busbar systems, 60 mm



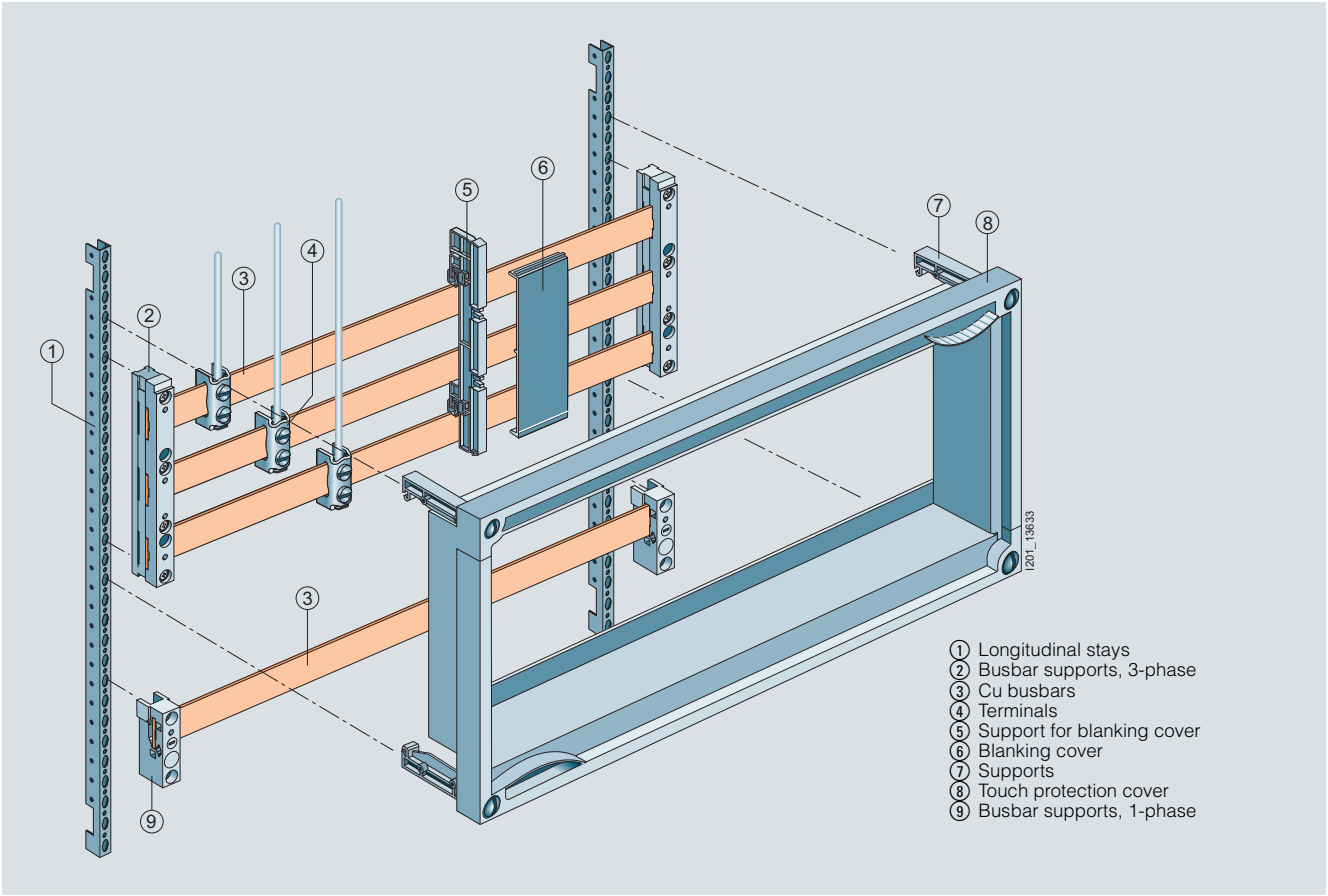
### Overview

- Assembly kits for individual and project-related assembly, comprising: deep-drawn front cover with supports
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).
- The Cu busbar and busbar supports must be ordered separately (see page 3/25).

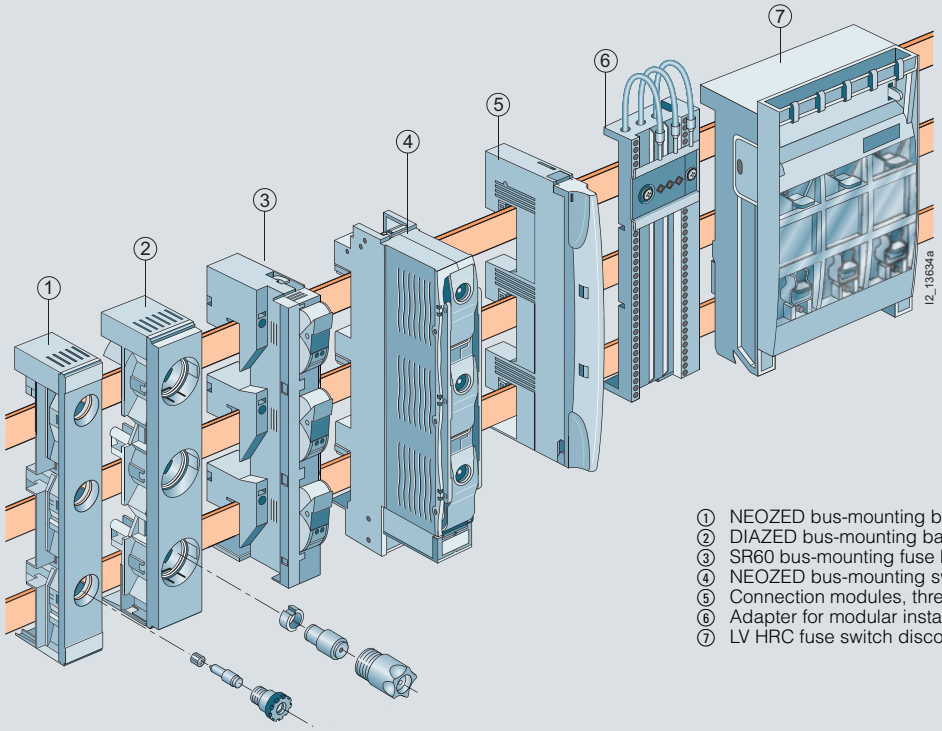
### Design




Distribution board components

© Siemens AG 2010

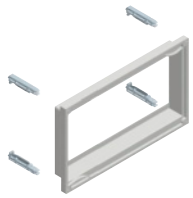
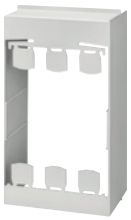





① NEOZED bus-mounting bases, 3-pole
② DIAZED bus-mounting bases, 3-pole
③ SR60 bus-mounting fuse holders, 3-pole
④ NEOZED bus-mounting switch disconnectors, 3-pole
⑤ Connection modules, three-phase
⑥ Adapter for modular installation devices acc. to DIN 43880
⑦ LV HRC fuse switch disconnectors

Built-in components

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK4 801-2KK13 | **Assembly kits for SR 60 busbar systems, 60 mm**<br>Busbar center-to-center clearance of 60 mm | | | | | | |
| | External dimensions in mm<br>Height / Width | | | | | | |
| | 300 / 250 | A | **8GK4 801-2KK13** | | 1 | 1 | 039 |
| | 300 / 500 | A | **8GK4 801-2KK23** | | 1 | 1 | 039 |
| | 300 / 750 | A | **8GK4 801-2KK33** | | 1 | 1 | 039 |
| | 450 / 250 | A | **8GK4 801-3KK13** | | 1 | 1 | 039 |
| | 450 / 500 | A | **8GK4 801-3KK23** | | 1 | 1 | 039 |
| | 450 / 750 | A | **8GK4 801-3KK33** | | 1 | 1 | 039 |
| | Note | | | | | | |
| | Caution: Busbar supports (8GK9 711-0KK03) not included in delivery. | | | | | | |
|  3NY7 600 | **Shrouding covers, for 3NP4 076 fuse switch disconnectors** | B | **3NY7 600** | | 1 | 1 | 103 |
|  5SH3 536 | **Supports for blanking covers** | B | **5SH3 536** | | 1 | 4/160 | 016 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards



## 8GK4 assembly kits for SR60 busbar systems, 60 mm

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  5SH3 537 | **Blanking covers** | A | **5SH3 537** | | 1 | 2 | 016 |

For accessories, see page 3/23 ff.

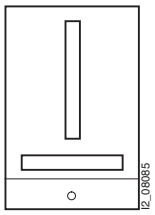
## 8GE assembly kits for meter mounting

### Overview

- Assembly kits for individual and project-related assembly, not standardized, only for internal measurements, comprising: meter support plate with all-round partitions, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 450
  - Width: 250
  - Panel-size grid dimensions H × W: 150 × 250

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 3/12).

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GE3 713-4 | **Assembly kits for meter mounting**<br>• Not standardized, 375 mm<br>• Height 450 mm (external dimensions)<br>• Width 250 mm (external dimensions) | B | **8GE3 713-4** | | 1 | 1 | 042 |

For accessories, see page 3/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 912-0KK10 | **Wall-mounting rails**<br>• For all wall-mounted distribution boards<br>• The distribution board allows fast and accurate mounting by one person | | | | | | |
| | Length | | | | | | |
| | • 250 mm | B | **8GK9 912-0KK10** | | 1 | 1 | 039 |
| | • 500 mm | A | **8GK9 912-0KK20** | | 1 | 1 | 039 |
| | • 750 mm | A | **8GK9 912-0KK30** | | 1 | 1 | 039 |
| | • 1000 mm | A | **8GK9 912-0KK40** | | 1 | 1 | 039 |
| | • 1250 mm | A | **8GK9 912-0KK50** | | 1 | 1 | 039 |
| | **Cabinet mounting lugs, flat** | | | | | | |
| | Versions | | | | | | |
| | • For mounting and fixing the distribution boards directly against the wall without spacing (1 set = 4 lugs incl. screws) | A | **8GK9 910-0KK36** | | 1 set | 5 sets | 039 |
| | • For connecting 2 distribution boards and for mounting and fixing the distribution boards directly against the wall without spacing, you also require 8GK9 910-0KK36 for the ends of the adjoined distribution boards (1 set = 2 lugs incl. screws) | A | **8GK9 910-0KK37** | | 1 set | 1 set | 039 |
| | **Hollow-wall sets**<br>For fixing flush-mounting distribution boards in hollow-walls | A | **8GK9 910-0KK28** | | 1 set | 1 set | 039 |
| | **Locking systems** | | | | | | |
|  8GK9 560-0KK04 | Versions | | | | | | |
| | • Standard locking devices<br>- Black<br>- Made of plastic<br>- With rotary handle for wall-mounted distribution boards, degree of protection IP43<br>- Cannot be retrofitted to other locking devices | A | **8GK9 560-0KK04** | | 1 | 1 | 039 |
|  8GK9 560-0KK05 | • Retrofit kits<br>- For standard locking device to degree of protection IP55<br>- Can only be used for distribution boards with degree of protection IP55 | C | **8GK9 560-0KK05** | | 1 set | 1 set | 039 |
| | • Rotary handle locking devices for profile semicylinders<br>- Black<br>- For wall-mounted distribution boards with degree of protection IP43/IP55, with mounting option for a profile semicylinder (length 40 mm) | A | **8GK9 560-0KK06** | | 1 | 1 | 039 |
| | • Lockable rotary handles<br>- Incl. E012 lock and two keys | A | **8GK9 560-0KK13** | | 1 | 1 | 039 |
| | **Profile semicylinders** | | | | | | |
|  8GK9 560-0KK07 | Versions | | | | | | |
| | • With E012 lock and 2 keys | A | **8GK9 560-0KK07** | | 1 | 1 | 039 |
| | • With Senat tumbler and 2 keys | C | **8GK9 560-0KK08** | | 1 | 1 | 039 |
| | • With 3-mm pin as double-bit lock | A | **8GK9 560-0KK10** | | 1 | 1 | 039 |
|  8GK9 560-0KK08 | | | | | | | |
|  8GK9 560-0KK10 | | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Unequipped distribution boards



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Flanges**<br>For fast and correct wiring | | | | | | |
| | Versions | | | | | | |
|  <br>8GK9 100-0KK00 | • 1-component flanges (for IP43 distribution boards, installed on bottom panel)<br>- For bottom cable entry, with 11 possible knockouts<br>- Max. ∅ 50.5 mm, made of plastic | A | **8GK9 100-0KK00** | | 1 | 1 | 039 |
|  <br>8GK9 100-0KK01 | • 2-component flanges (degree of protection: IP55)<br>- For top/bottom cable entry<br>- With 44 possible knockouts<br>- Comprising 2 elastic components | A | **8GK9 100-0KK01** | | 1 | 1 | 039 |
|  <br>8GK9 100-0KK02 | • Flange plates: sheet steel (only safety class 1)<br>- For metric screw connections degree of protection: IP43<br>- For metric screw connections degree of protection: IP55 | <br>A<br>A | <br>**8GK9 100-0KK02**<br>**8GK9 100-0KK03** | | <br>1<br>1 | <br>1<br>1 | <br>039<br>039 |
|  <br>8GK9 100-0KK10 | • Connecting flanges | A | **8GK9 100-0KK10** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK23 | **Circuit diagram pockets** | | | | | | |
| | Versions | | | | | | |
| | • DIN A3, made of sheet steel, depth 10 mm<br>• DIN A4, transparent sleeve<br>• DIN A4, made of plastic, depth 30 mm | A<br>A<br>A | **8GK9 910-0KK22**<br>**8GK9 910-0KK23**<br>**8GD9 132** | | 1<br>1<br>1 | 1<br>20<br>1 | 039<br>039<br>042 |
| SIEMENS<br>8GD9 084 | **Siemens nameplates**<br>• Made of aluminum<br>• Self-adhesive<br>• Petrol | A | **8GD9 084** | | 1 | 1 | 042 |
| | **Paint sticks**<br>• RAL 9016 (traffic white)<br>• 12 g | A | **8GK9 910-0KK15** | | 1 | 1 | 039 |
| | **Paint spray cans**<br>• RAL 9016 (traffic white)<br>• 400 ml | C | **8GK9 910-0KK17** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GS4 016-1 | **Mounting plates for telecommunication units**<br>• Made of perforated steel plate<br>• With insert nuts and quick-locking technology<br>• With 1 set of captive nuts size M5, width 250 mm | | | | | | |
| | Height | | | | | | |
| | • 900 mm | A | **8GS4 016-1** | | 1 | 1 | 043 |
| | • 1050 mm | A | **8GS4 016-2** | | 1 | 1 | 043 |
| | • 1200 mm | A | **8GS4 016-3** | | 1 | 1 | 043 |
| | • 1350 mm | A | **8GS4 016-4** | | 1 | 1 | 043 |
|  8GK9 650-0KK00 | **Busbar supports**<br>With matching support plate | | | | | | |
| | Versions | | | | | | |
| | • 1-pole<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm<br>- Height 150 mm | A | **5SH3 540** | | 1 | 1 | 016 |
| | • 5-pole<br>- Busbar center-to-center clearance of 40 mm<br>- For Cu busbars 12 × 5 (10) mm<br>- For mounting 3NP fuse switch disconnectors<br>- Height 300 mm | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| | • 3-pole<br>- Busbar center-to-center clearance of 60 mm<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm<br>- For bus-mounting fuse bases and switch disconnectors, used together with assembly kits (mounting directly on the stays) | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |
| | **Cu busbars** | | | | | | |
| | Versions | | | | | | |
| | • Cu cross-section of 12 × 5 mm, 250 A | | | | | | |
| | - Length 250 mm | A | **8GK9 731-0KK10** | | 1 | 5 | 039 |
| | - Length 500 mm | A | **8GK9 731-0KK20** | | 1 | 5 | 039 |
| | - Length 750 mm | A | **8GK9 731-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 mm | A | **8GK9 731-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 mm | A | **8GK9 731-0KK50** | | 1 | 5 | 039 |
| | • Cu cross-section of 20 × 5 mm, 320 A | | | | | | |
| | - Length 250 mm | A | **8GK9 733-0KK10** | | 1 | 5 | 039 |
| | - Length 500 mm | A | **8GK9 733-0KK20** | | 1 | 5 | 039 |
| | - Length 750 mm | A | **8GK9 733-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 mm | A | **8GK9 733-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 mm | A | **8GK9 733-0KK50** | | 1 | 5 | 039 |
| | • Cu cross-section of 30 × 5 mm, 450 A | | | | | | |
| | - Length 250 mm | A | **8GK9 735-0KK10** | | 1 | 5 | 039 |
| | - Length 500 mm | A | **8GK9 735-0KK20** | | 1 | 5 | 039 |
| | - Length 750 mm | A | **8GK9 735-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 mm | A | **8GK9 735-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 mm | A | **8GK9 735-0KK50** | | 1 | 5 | 039 |
|  8GK9 910-0KK30 | **Supports for front cover**<br>• Long version<br>• Material: plastic<br>• 1 set = 4 supports | A | **8GK9 910-0KK30** | | 1 set | 5 sets | 039 |
|  8GK9 910-0KK10 | **N/PE bars**<br>• For mounting on longitudinal stays<br>• With 2 x 29 clamping points<br>• 16 $mm^2$<br>• Length 250 mm | A | **8GK9 910-0KK10** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Quick-assembly kits and assembly kits

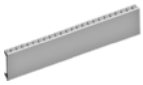
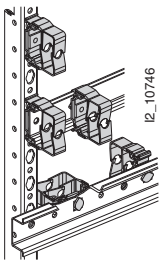
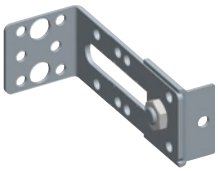


| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 910-0KK11 | **N/PE bars as plug-in terminals** | | | | | | |
| | Versions | | | | | | |
| | • Each with 6 screw terminals from 2.5 ... 16 mm² and 21 plug-in terminals from 1.5 ... 4 mm² for mounting on longitudinal stays at a 30° inclination, width 250 mm | A | **8GK9 910-0KK11** | | 1 | 1 | 039 |
| | • With 6 screw terminals from 2.5 ... 16 mm² and 21 plug-in terminals from 1.5 ... 4 mm² for PE bar and one N-N bar each with 2 screw terminals from 2.5 ... 16 mm² and 10 plug-in terminals from 1.5 ... 4 mm² for mounting on longitudinal stays at a 30° inclination, width 250 mm | A | **8GK9 910-0KK12** | | 1 | 1 | 039 |
|  8GS4 034-1 | **N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 2 × screw terminals, conductor cross-section max. 16 mm²<br>• 14 × plug-in terminals, conductor cross-section max. 4 mm² | ▶ | **8GS4 034-1** | | 1 | 1 | 043 |
|  8GS4 034-2 | **PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• 2 × screw terminals, conductor cross-section max. 16 mm²<br>• 14 × plug-in terminals, conductor cross-section max. 4 mm² | ▶ | **8GS4 034-2** | | 1 | 1 | 043 |
|  8GS4 034-3 | **N/PE terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 mm² 1)<br>• 7 × plug-in terminals, conductor cross-section max. 4 mm² 1)<br>Footnote<br>1) Per PE or N potential. | ▶ | **8GS4 034-3** | | 1 | 1 | 043 |
|  8GS4 034-4 | **N/N terminals** NEW<br>• For snapping onto standard mounting rail<br>• For distributing the neutral conductor to two residual current operated circuit-breakers<br>• 1 × screw terminal, conductor cross-section max. 16 mm² 1)<br>• 7 × plug-in terminals, conductor cross-section max. 4 mm² 1)<br>Footnote<br>1) Per PE or N potential. | ▶ | **8GS4 034-4** | | 1 | 1 | 043 |
|  8US19 21-2AA00 ... AD00 | **Terminal blocks for circular conductors** | | | | | | |
| | Versions | | | | | | |
| | • Busbar thickness of 5 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2AA00** | | 100 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2AB00** | | 100 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2AD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2AC00** | | 1 | 50 | 143 |
| | • Busbar thickness of 10 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2BA00** | | 1 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2BB00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2BD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2BC00** | | 1 | 50 | 143 |
|  8GK9 920-0KK24 | **Replacement door hinges**<br>• For wall/floor-mounted distribution boards<br>• 1 set = 2 hinges | A | **8GK9 920-0KK24** | | 1 set | 1 set | 038 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Partitions**<br>• For the visual and spatial separation of different potentials<br>• Material: plastic<br>• For mounting depth 210 mm | | | | | | |
| | Versions | | | | | | |
|  <br>8GK9 301-2KK01 | • Vertical | | | | | | |
| | - Height 300 mm | A | **8GK9 301-2KK01** | | 1 | 1 | 039 |
| | - Height 450 mm | A | **8GK9 301-3KK01** | | 1 | 1 | 039 |
| | - Height 600 mm | A | **8GK9 101-4KK01** | | 1 | 1 | 039 |
| | - Height 750 mm | A | **8GK9 101-5KK01** | | 1 | 1 | 039 |
| | - Height 900 mm | A | **8GK9 101-6KK01** | | 1 | 1 | 039 |
| | - Height 1050 mm | A | **8GK9 101-7KK01** | | 1 | 1 | 039 |
| | - Height 1200 mm | A | **8GK9 101-8KK01** | | 1 | 1 | 039 |
| | - Height 1350 mm | A | **8GK9 102-8KK01** | | 1 | 1 | 039 |
|  <br>8GK9 103-0KK10 | • Horizontal | | | | | | |
| | - Width 250 mm | A | **8GK9 103-0KK10** | | 1 | 1 | 039 |
| | - Width 500 mm | A | **8GK9 103-0KK20** | | 1 | 1 | 039 |
| | - Width 750 mm | A | **8GK9 103-0KK30** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK00 | **Blanking strips**<br>Color RAL 7035 (light gray) | | | | | | |
| | Versions | | | | | | |
| | • For 12 MW (1 MW = 18 mm) | A | **8GK9 910-0KK00** | | 1 | 10 | 039 |
| | • Length 1 m,<br>without pressure-relief joint, to cut to length | A | **8GK9 910-0KK01** | | 1 | 1 | 039 |
| | **Connecting kits, IP43/IP55**<br>• For side-by-side mounting of enclosures<br>• Comprising:<br>- Screws<br>- Washers<br>- Nuts<br>- 10 m of sealing strip roll | A | **8GK9 920-0KK31** | | 1 | 1 | 039 |
| | Note | | | | | | |
| | A bushing flange is required for electrical connections! | | | | | | |
|  <br>8GK9 910-0KK80 | **Cable holders**<br>For standard mounting rails | ► | **8GK9 910-0KK80** | | 1 | 200 | 039 |
|  <br>8GK9 910-0KK27 | **ALPHA assembly tools**<br>• For supports<br>• Short and long version<br>• With ergonomic handle | A | **8GK9 910-0KK27** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK34 | **Extra-deep brackets**<br>• For recessed installation of standard mounting rails<br>• 1 set = 2 brackets incl. mounting material | A | **8GK9 910-0KK34** | | 1 set | 1 set | 039 |
| | **Screws**<br>• Self-tapping<br>• M5 x 10<br>• Large pack: 500 units | C | **8GK9 911-0KK00** | | 1 | 500 | 039 |
|  <br>8GK9 911-0KK01 | **Extra-deep brackets**<br>• Depth-adjustable<br>• Large pack: 10 units | C | **8GK9 911-0KK01** | | 1 | 10 | 039 |

* You can order this quantity or a multiple thereof.

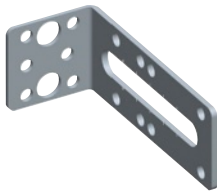
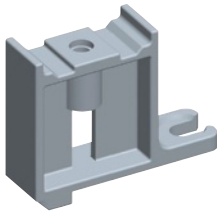
© Siemens AG 2010



# Accessories

## Quick-assembly kits and assembly kits



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 911-0KK02 | **Drop-down brackets, universal**<br>• Large pack: 10 units | C | **8GK9 911-0KK02** | | 1 | 10 | 039 |
| | **Support extensions**<br>• 7.5 mm<br>• Large pack: 100 units | C | **8GK9 911-0KK03** | | 1 | 100 | 039 |
|  8GK9 911-0KK05 | **Iso supports**<br>• For insulated standard mounting rail assembly<br>• Large pack: 50 units | | | | | | |
| | Versions | | | | | | |
| | • 12 mm | C | **8GK9 911-0KK04** | | 1 | 50 | 039 |
| | • 31.5 mm | C | **8GK9 911-0KK05** | | 1 | 50 | 039 |
| | • 55.5 mm | C | **8GK9 911-0KK06** | | 1 | 50 | 039 |
|  8GK9 910-0KK35 | **Standard mounting rails, lowered** | | | | | | |
| | Width | | | | | | |
| | • 250 mm | A | **8GK9 910-0KK35** | | 1 | 1 | 039 |
| | • 500 mm NEW | C | **8GK9 910-0KK40** | | 1 set | 1 set | 039 |
| | • 750 mm NEW | C | **8GK9 910-0KK41** | | 1 set | 1 set | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA 630 - DIN Floor-Mounted Distribution Boards






4/2 **Introduction**

**Unequipped Distribution Boards**
4/5 8GK1 surface-mounting distribution boards, IP43
4/6 8GK1 surface-mounting distribution boards, IP55

**Marshaling Boxes**
4/8 8GK1 surface-mounting distribution boards

**Assembly Kits for Unequipped Distribution Boards**
4/9 8GK4 assembly kits for modular installation devices
4/10 8GK4 assembly kits for terminal blocks
4/11 8GK4 assembly kits with mounting plates
4/12 8GK4 assembly kits for unequipped panels
4/12 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm
4/13 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for mounting on support plate
4/14 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for busbar mounting
4/15 8GK4/8GE3 assembly kits for SENTRON VL/VF circuit breakers
4/16 8GK4 assembly kits for 3NJ4 in-line fuse switch disconnectors
4/16 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems
4/17 8GK4 assembly kits for SR60 busbar systems, 60 mm
4/19 8GE assembly kits for meter mounting

**Accessories**
4/20 Unequipped distribution boards
4/23 Assembly kits

**Accessories - Ordering Large Quantities**
4/25 Front covers
4/26 Assembly kits

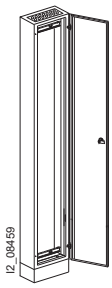
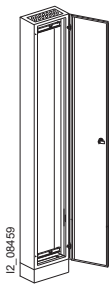
© Siemens AG 2010





# Introduction

## Overview

| ALPHA 630 - DIN floor-mounted distribution boards | | Page | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Cabinet depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | mm | 1 | 2 | |
|  | Unequipped distribution boards, flat pack | 4/5 | ✔ | -- | 630 | 210 | ✔ | ✔ | IP43 |
|  | Unequipped distribution boards, pre-assembled | 4/5 | ✔ | -- | 630 | 210 / 250 / 320 | ✔ | ✔ | IP43 / IP55 |
|  | Unequipped distribution boards, pre-assembled, with open side panels | 4/6 | ✔ | -- | 630 | 250 / 320 | ✔ | -- | IP55 |

### *System*

The modular design of our new Siemens distribution board system draws on our long years of experience in the distribution board sector.

This system has been tailored to meet individual requirements for distribution board installation.

The system comprises unequipped distribution boards with degree of protection IP43 in the form of flat packs (delivery in individual parts for self-assembly, explained in detail in chapter 3), pre-assembled unequipped distribution boards with degree of protection IP55 and assembly kits for project-related and individual assembly and an extensive range of accessories.

### *Enclosures*

- Material: electrogalvanized and powder-coated sheet steel.
- Sheet thickness, degree of protection IP43/IP55: body 1 mm, door 1 mm
- Color: RAL 7035 (light gray), further RAL colors available on request.

### *Assembly kits*

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g., for switching devices and modular installation devices.

The largest switching devices supported by the ALPHA 630 - DIN floor-mounted distribution boards are Siemens switching devices with a rated current of up to 630 A.

### *Cabinet dimensions*

- All dimensions are stated in mm.
- Height:
  - Internal dimensions: 1800
  - External dimension with base: 1950
- Width (internal/external): 250/300, 500/550, 750/800, 1000/1050, 1250/1300
- Depth (external): 210, 250, 320
- Assembly kits in panel-size grid dimensions, height x width: 150 x 250

© Siemens AG 2010

# ALPHA 630 - DIN Floor-Mounted Distribution Boards





## Benefits

- Flat pack delivery option (assembly kit for self-assembly, the assembly kits can be mounted directly onto the platform) or as pre-assembled unequipped distribution boards
- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Comprehensive range of assembly kits for individual and project-related assembly of Siemens switching devices and modular installation devices
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- System concept according to DIN, EN and VDE regulations
- Solid sheet-steel enclosure
- Degrees of protection: IP43 and IP55
- Safety class 1 (protective conductor connection) and safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Transparent doors in Giugiaro design (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly and recyclable plastics

## Application

The ALPHA 630 - DIN floor-mounted distribution boards are used for all applications for which the ALPHA 400 - DIN wall-mounted distribution boards do not provide sufficient equipping or wiring space, e.g. in administrative, non-residential, commercial and industrial buildings.

Using three available mounting depths of 210 mm, 250 mm and 320 mm, it ideally supplements the Siemens distribution board product ranges.

The distribution board and its components are of modular design.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

The ALPHA 630 - DIN floor-mounted distribution board range comprises wall-mounted distribution boards with up to 12 modular installation devices, each with 12 MW per mounting width (250 mm). The standard mounting rail tier spacing is 150 mm. A total of 5 cabinet mounting widths are available, each with an internal dimension of 250 mm.

The distribution boards can be supplied in safety class 1 (protective conductor connection) and safety class 2 (total insulation). The standard degree of protection for floor-mounted distribution boards is IP43 for cabinet depths of 210 mm (flat pack: delivery in individual parts) and IP55 (unequipped distribution board, pre-assembled) with depths of 250 mm and 320 mm. The rated current is 630 A.

40-mm or 60-mm busbar systems with dimensions of up to 30 mm × 10 mm may be installed.

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting.

Assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching devices and modular installation devices.



© Siemens AG 2010







## Technical specifications

| | |
|---|---|
| Overvoltage category | III |
| Rated impulse withstand voltage $U_{imp}$ in kV | 6 |
| Clearance and creepage distances | DIN VDE 0110 |
| Rated insulation voltage $U_i$ in V | 690 |
| Rated operational voltage $U_e$ in V AC/DC | 690 |
| Rated voltage $U_n$ (40 Hz ... 60 Hz AC) in V | 690 for built-in devices |
| Rated current in A | Up to 630 |
| Rated peak short-circuit current $I_{pk}$ in kA | Up to 76 (3-pole)[2)] |
| Rated short-time current $I_{cw}$ in kA | 34, conduction interval of 1 s |
| Protective measures | Safety class 1 (protective conductor connection)<br>Safety class 2 (total insulation) |
| Number of conductors within the busbar run | 4/5 |
| Degree of protection acc. to EN 60529 | IP43 with door, IP55 with door (with matching flanges) |
| Standard mounting rail tier spacing per standard mounting rail tier in mm | 150 |
| Modular width (MW) | 18 mm, 12 MW + 1 mountable MW |
| Pollution degree | 3 |
| Ambient temperature in °C | 35 (24-h average value) |
| Relative air humidity in % | 50 at 40 °C |
| Test specifications | EN 60439-1/3 (VDE 0660 Part 500/504) |
| Enclosures | Sheet steel |
| Mounting dimensions | DIN 43870 |
| Surface | Electrogalvanized and powder-coated |
| Color[1)] | RAL 7035 (light gray) |
| Locking system | 3-point locking with integrated espagnolette lock<br>(can be replaced with other locking systems if required) |
| Packing material | Shock-proof, environmentally-friendly |

1) Further RAL colors are available on request.

2) Busbar support distance: 250 mm, Cu busbar 30 mm × 10 mm.

### *Cabinet dimensions*

| **Cabinet (external dimensions)** | | |
|---|---|---|
| **Height** mm | **Width** mm | **Depth** mm |
| 1950 with base (100 mm) | 300<br>550<br>800<br>1050<br>1300 | 210 |
| 1950 with base (100 mm) | 300<br>550<br>800<br>1050<br>1300 | 250 |
| 1950 with base (100 mm) | 300<br>550<br>800<br>1050<br>1300 | 320 |

© Siemens AG 2010



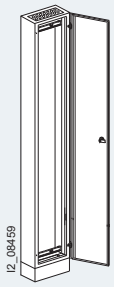


## Overview

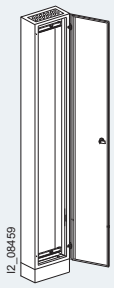
- Delivery options:
  - Flat pack (assembly kit for self-assembly: the cabinet-high quick-assembly kits and the assembly kits can be mounted directly onto the platform (rear plate) of this assembly kit)
  - Pre-assembled unequipped distribution board
- Cabinet depth of 210 mm
- Safety class 1 (protective conductor connection) and safety class 2 (total insulation)
- Degree of protection IP43
- Color RAL 7035 (light gray)
- Enclosure (with base) with unassembled enclosed door or pre-assembled enclosure (with base) complete with door and espagnolette lock, which can be replaced with other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door.
- Flanges: per panel width: one 2-component flange at the top

## Selection and ordering data

| Internal/external dimensions with base | | Panel width | DT | Surface-mounting distribution boards: Safety class 1 | | PU | PS*/ P. unit | PG | DT | Safety class 2 | | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | Width | | | Order No. | Price per PU | | | | | Order No. | Price per PU | | | |
| mm | mm | | | | | Unit(s) | Unit(s) | | | | | Unit(s) | Unit(s) | |
| **Cabinet depth of 210 mm** | | | | Flat pack delivery, degree of protection IP43 | | | | | | | | | | |
| 1800/1950 | 250/300 | | A | **8GK1 302-8KK12** | | 1 | 1 | 039 | A | **8GK1 312-8KK12** | | 1 | 1 | 039 |
| | 500/550 | | A | **8GK1 302-8KK22** | | 1 | 1 | 039 | A | **8GK1 312-8KK22** | | 1 | 1 | 039 |
| | 750/800 | | A | **8GK1 302-8KK32** | | 1 | 1 | 039 | A | **8GK1 312-8KK32** | | 1 | 1 | 039 |
| | 1000/1050 | | A | **8GK1 302-8KK42** | | 1 | 1 | 039 | A | **8GK1 312-8KK42** | | 1 | 1 | 039 |
| | 1250/1300 | | A | **8GK1 302-8KK52** | | 1 | 1 | 039 | A | **8GK1 312-8KK52** | | 1 | 1 | 039 |
| **Cabinet depth of 210 mm** | | | | Delivery as pre-assembled unequipped distribution board, degree of protection IP43 | | | | | | | | | | |
| 1800/1950 | 250/300 | | A | **8GK1 322-8KK12** | | 1 | 1 | 039 | A | **8GK1 332-8KK12** | | 1 | 1 | 039 |
| | 500/550 | | A | **8GK1 322-8KK22** | | 1 | 1 | 039 | A | **8GK1 332-8KK22** | | 1 | 1 | 039 |
| | 750/800 | | A | **8GK1 322-8KK32** | | 1 | 1 | 039 | A | **8GK1 332-8KK32** | | 1 | 1 | 039 |
| | 1000/1050 | | A | **8GK1 322-8KK42** | | 1 | 1 | 039 | A | **8GK1 332-8KK42** | | 1 | 1 | 039 |
| | 1250/1300 | | A | **8GK1 322-8KK52** | | 1 | 1 | 039 | A | **8GK1 332-8KK52** | | 1 | 1 | 039 |

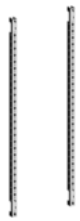


8GK1 302-8KK12



8GK1 322-8KK12

## Accessories

| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
|  8GK4 853-8KK00 | **Longitudinal stays**<br>• To mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• Height 1800 mm, width 210 mm<br>• 1 set = 2 stays | A | **8GK4 853-8KK00** | | 1 set | 1 set | 039 |

For assembly kits, see page 4/9 ff.
For accessories, see page 4/20 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Unequipped Distribution Boards

## 8GK1 surface-mounting distribution boards, IP55



### Overview

- Type of delivery: pre-assembled unequipped distribution board
- Cabinet depths: 250 mm and 320 mm
- Safety class 1 (protective conductor connection) and safety class 2 (total insulation)
- Degree of protection IP55
- Color RAL 7035 (light gray)
- Enclosure (with base) with unassembled enclosed door or pre-assembled enclosure (with base) complete with door and espagnolette lock, which can be replaced with other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door.
- SCII flange:
  - Depth 250 mm: per panel width: one 2-component flange each at the top and bottom
  - Depth 320 mm: per panel width: two 2-component flanges each at the top and bottom
- SCI flange:
  - Depth 250 mm: per panel width: one 2-component flange at the top
  - Depth 320 mm: per panel width: two 2-component flanges each at the top (to achieve degree of protection IP55, one 2-component flange is also required at the bottom, please order separately if required)

### Selection and ordering data

| Internal/external dimensions | | Panel width | | ALPHA 630 DIN floor-mounted distribution board, delivered as pre-assembled unequipped distribution board, degree of protection: IP55, color: RAL 7035 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | Width | | DT | Safety class 1 Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | DT | Safety class 2 Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
| **With closed side panel, cabinet depth 250 mm** | | | | | | | | | | | | | | |
| 1950 | 300 | □ | C | **8GK1 323-8KN13** | | 1 | 1 | 039 | C | **8GK1 333-8KN13** | | 1 | 1 | 039 |
|  | 550 | □□ | C | **8GK1 323-8KN23** | | 1 | 1 | 039 | C | **8GK1 333-8KN23** | | 1 | 1 | 039 |
| | 800 | □□□ | C | **8GK1 323-8KN33** | | 1 | 1 | 039 | C | **8GK1 333-8KN33** | | 1 | 1 | 039 |
| | 1050 | □□□□ | C | **8GK1 323-8KN43** | | 1 | 1 | 039 | C | **8GK1 333-8KN43** | | 1 | 1 | 039 |
| | 1300 | □□□□□ | C | **8GK1 323-8KN53** | | 1 | 1 | 039 | C | **8GK1 333-8KN53** | | 1 | 1 | 039 |
| 8GK1 323-8KN23 | | | | | | | | | | | | | | |
| **With closed side panel, cabinet depth 320 mm** | | | | | | | | | | | | | | |
| 1950 | 300 | □ | C | **8GK1 323-8KN14** | | 1 | 1 | 039 | C | **8GK1 333-8KN14** | | 1 | 1 | 039 |
| | 550 | □□ | C | **8GK1 323-8KN24** | | 1 | 1 | 039 | C | **8GK1 333-8KN24** | | 1 | 1 | 039 |
| | 800 | □□□ | C | **8GK1 323-8KN34** | | 1 | 1 | 039 | C | **8GK1 333-8KN34** | | 1 | 1 | 039 |
| | 1050 | □□□□ | C | **8GK1 323-8KN44** | | 1 | 1 | 039 | C | **8GK1 333-8KN44** | | 1 | 1 | 039 |
| | 1300 | □□□□□ | C | **8GK1 323-8KN54** | | 1 | 1 | 039 | C | **8GK1 333-8KN54** | | 1 | 1 | 039 |
| **With open side panel, cabinet depth 250 mm** | | | | | | | | | | | | | | |
| 1950 | 300 | □ | C | **8GK1 323-8KP13** | | 1 | 1 | 039 | | -- | | | | |
|  | 550 | □□ | C | **8GK1 323-8KP23** | | 1 | 1 | 039 | | -- | | | | |
| | 800 | □□□ | C | **8GK1 323-8KP33** | | 1 | 1 | 039 | | -- | | | | |
| | 1050 | □□□□ | C | **8GK1 323-8KP43** | | 1 | 1 | 039 | | -- | | | | |
| | 1300 | □□□□□ | C | **8GK1 323-8KP53** | | 1 | 1 | 039 | | -- | | | | |
| 8GK1 323-8KP23 | | | | | | | | | | | | | | |
| **With open side panel, cabinet depth 320 mm** | | | | | | | | | | | | | | |
| 1950 | 300 | □ | C | **8GK1 323-8KP14** | | 1 | 1 | 039 | | -- | | | | |
| | 550 | □□ | C | **8GK1 323-8KP24** | | 1 | 1 | 039 | | -- | | | | |
| | 800 | □□□ | C | **8GK1 323-8KP34** | | 1 | 1 | 039 | | -- | | | | |
| | 1050 | □□□□ | C | **8GK1 323-8KP44** | | 1 | 1 | 039 | | -- | | | | |
| | 1300 | □□□□□ | C | **8GK1 323-8KP54** | | 1 | 1 | 039 | | -- | | | | |

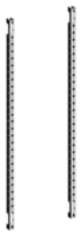
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8GK1 surface-mounting distribution boards, IP55



| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
|  8GK9 520-0KK03 | **Side panels**<br>• Gray<br>• Depth 250/320 mm | A | **8GK9 520-0KK03** | | 1 set | 1 set | 039 |
| **Accessories** | | | | | | | |
|  8GK4 853-8KK02 | **Longitudinal stays (latchable pivot stays)**<br>• In order to mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• Height 1800 mm<br>• Depth 250/320 mm<br>• 1 set = 2 stays | C | **8GK4 853-8KK02** | | 1 set | 1 set | 039 |

For assembly kits, see page 4/9 ff.
For accessories, see page 4/20 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Marshaling Boxes

## 8GK1 surface-mounting distribution boards

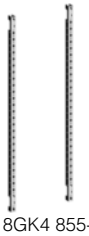


### Overview

- Marshaling boxes for supporting the incoming/outgoing cables, option for terminal blocks available
- Large, foamed front cover with fixing screws
- Dimensions
  Height 350 mm, depths 210 mm, 250 mm and 320 mm
- Safety class 1 (protective conductor connection)
- Degree of protection IP43 and IP55
- Color RAL 7035 (light gray)

Note: Flanges and 8GK9 920-0KK31 connecting kit must be ordered separately, see accessories on page 4/20 ff.

### Selection and ordering data

| | Version | | | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Surface-mounting distribution boards**<br>Safety class 1 | | | | | | | | | | |
| | Marshaling box depth in mm | Degree of protection | External dimensions in mm<br>Height | <br>Width | Panel width | | | | | | |
|  <br>8GK1 382-0KK12 | 210 | IP43 | 350 | 300 | □ | C | **8GK1 382-0KK12** | | 1 | 1 | 039 |
| | | | | 550 | □□ | C | **8GK1 382-0KK22** | | 1 | 1 | 039 |
| | | | | 800 | □□□ | C | **8GK1 382-0KK32** | | 1 | 1 | 039 |
| | | | | 1050 | □□□□ | C | **8GK1 382-0KK42** | | 1 | 1 | 039 |
| | | | | 1300 | □□□□□ | C | **8GK1 382-0KK52** | | 1 | 1 | 039 |
|  <br>8GK1 383-0KK13 | 250 | IP55 | 350 | 300 | □ | C | **8GK1 383-0KK13** | | 1 | 1 | 039 |
| | | | | 550 | □□ | A | **8GK1 383-0KK23** | | 1 | 1 | 039 |
| | | | | 800 | □□□ | A | **8GK1 383-0KK33** | | 1 | 1 | 039 |
| | | | | 1050 | □□□□ | C | **8GK1 383-0KK43** | | 1 | 1 | 039 |
| | | | | 1300 | □□□□□ | C | **8GK1 383-0KK53** | | 1 | 1 | 039 |
|  <br>8GK1 383-0KK14 | 320 | IP55 | 350 | 300 | □ | C | **8GK1 383-0KK14** | | 1 | 1 | 039 |
| | | | | 550 | □□ | C | **8GK1 383-0KK24** | | 1 | 1 | 039 |
| | | | | 800 | □□□ | C | **8GK1 383-0KK34** | | 1 | 1 | 039 |
| | | | | 1050 | □□□□ | C | **8GK1 383-0KK44** | | 1 | 1 | 039 |
| | | | | 1300 | □□□□□ | A | **8GK1 383-0KK54** | | 1 | 1 | 039 |
| **Accessories** | | | | | | | | | | | |
|  <br>8GK4 855-2KK02 | **Longitudinal stays**<br>• Stays are available for mounting in the marshaling boxes<br>• Height 300 mm, Depth 210 mm / 250 mm / 320 mm<br>• 1 set = 2 stays | | | | | A | **8GK4 855-2KK02** | | 1 set | 1 set | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

**8GK4 assembly kits for modular installation devices**

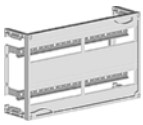


## Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 150, 300, 450, 600
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Unit(s) | Unit(s) | |
| | **Assembly kits for modular installation devices**<br>Tier spacing of 150 mm, without N/PE bar | | | | | | | | |
| | External dimensions in mm<br>Height | Width | Tiers/MW | | | | | | |
|  <br>8GK4 351-1KK12 | 150 | 250 | 1/12 | A | **8GK4 351-1KK12** | | 1 | 1 | 039 |
| | | 500 | 1/24 | A | **8GK4 351-1KK22** | | 1 | 1 | 039 |
| | | 750 | 1/36 | A | **8GK4 351-1KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-2KK12 | 300 | 250 | 2/24 | A | **8GK4 351-2KK12** | | 1 | 1 | 039 |
| | | 500 | 2/48 | A | **8GK4 351-2KK22** | | 1 | 1 | 039 |
| | | 750 | 2/72 | A | **8GK4 351-2KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-3KK12 | 450 | 250 | 3/36 | A | **8GK4 351-3KK12** | | 1 | 1 | 039 |
| | | 500 | 3/72 | A | **8GK4 351-3KK22** | | 1 | 1 | 039 |
| | | 750 | 3/108 | A | **8GK4 351-3KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-4KK12 | 600 | 250 | 4/48 | A | **8GK4 351-4KK12** | | 1 | 1 | 039 |
| | | 500 | 4/96 | A | **8GK4 351-4KK22** | | 1 | 1 | 039 |
| | | 750 | 4/144 | A | **8GK4 351-4KK32** | | 1 | 1 | 039 |

The assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.
The assembly kits with a width of 500/750 mm are equipped with 15 mm standard mounting rails.
For accessories, see page 4/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for terminal blocks

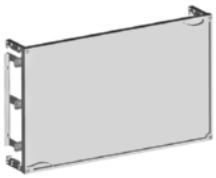


### Overview

- Assembly kits for individual and project-related assembly, comprising: Equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits, horizontal (mm)
  Height: 150, 300, 450
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- Dimensions of assembly kits, vertical (mm)
  Height: 300, 450, 600
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

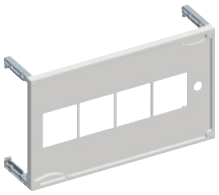
### Selection and ordering data



8GK4 401-3KK32



8GK4 402-4KK12



8GK4 500-2KK20

| Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Assembly kits for horizontal terminal blocks**<br>Terminal blocks are installed on graded insulating mountings, with closed front cover | | | | | | | | |
| | 150 | 250 | A | **8GK4 401-1KK12** | | 1 | 1 | 039 |
| | 300 | 250 | A | **8GK4 401-2KK12** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 401-2KK22** | | 1 | 1 | 039 |
| | | 750 | A | **8GK4 401-2KK32** | | 1 | 1 | 039 |
| | 450 | 500 | A | **8GK4 401-3KK22** | | 1 | 1 | 039 |
| | | 750 | A | **8GK4 401-3KK32** | | 1 | 1 | 039 |
| **Assembly kits for vertical terminal blocks**<br>Terminal blocks are installed on insulating mountings, with closed front cover | | | | | | | | |
| | 300 | 250 | A | **8GK4 402-2KK12** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 402-2KK22** | | 1 | 1 | 039 |
| | | 750 | B | **8GK4 402-2KK32** | | 1 | 1 | 039 |
| | 450 | 250 | A | **8GK4 402-3KK12** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 402-3KK22** | | 1 | 1 | 039 |
| | | 750 | B | **8GK4 402-3KK32** | | 1 | 1 | 039 |
| | 600 | 250 | A | **8GK4 402-4KK12** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 402-4KK22** | | 1 | 1 | 039 |
| | | 750 | B | **8GK4 402-4KK32** | | 1 | 1 | 039 |
| **Assembly kit front covers for measuring instruments** | | | C | **8GK4 500-2KK20** | | 1 | 1 | 039 |

For accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover including supports, mounting brackets (depth-adjustable), screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450, 600
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).
- If the fitted mounting plate extends over several panel widths, it is not possible to place a longitudinal stay in the middle.

## Selection and ordering data



8GK4 451-4KK12

**Assembly kits with mounting plates**
With closed front cover

| External dimensions in mm Height | Width | Mounting plate dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 250 | 245 | 207.5 | A | **8GK4 451-2KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-2KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | 395 | 207.5 | A | **8GK4 451-3KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-3KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | 545 | 207.5 | A | **8GK4 451-4KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-4KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | A | **8GK4 451-4KK32** | | 1 | 1 | 039 |



8GK9 533-0KK10

**Cabinet-high mounting plates**
- With fixing screws
- Sendzimir-galvanized sheet steel
- For mounting on longitudinal stays
- No covers available

| External dimensions in mm Height | Width | Mounting plate dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 250 | 1680 | 242 | C | **8GK9 533-0KK10** | | 1 | 1 | 039 |
| | 500 | | 492 | C | **8GK9 533-0KK20** | | 1 | 1 | 039 |
| | 750 | | 742 | C | **8GK9 533-0KK30** | | 1 | 1 | 039 |
| | 1000 | | 992 | C | **8GK9 533-0KK40** | | 1 | 1 | 039 |
| | 1250 | | 1242 | C | **8GK9 533-0KK50** | | 1 | 1 | 039 |

For accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards



## 8GK4 assembly kits for unequipped panels

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 75, 150, 300, 450, 600, 750
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

### Selection and ordering data



8GK4 501-4KK12

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for unequipped panels**<br>Gray | | | | | | | |
| External dimensions in mm<br>Height | Width | | | | | | |
| 75 | 250 | A | **8GK4 501-0KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-0KK22** | | 1 | 1 | 039 |
| 150 | 250 | A | **8GK4 501-1KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-1KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-1KK32** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 501-2KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-3KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | A | **8GK4 501-4KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-4KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-4KK32** | | 1 | 1 | 039 |
| 750 | 250 | B | **8GK4 501-5KK12** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-5KK22** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-5KK32** | | 1 | 1 | 039 |

For accessories, see page 4/23 ff.

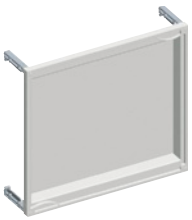
## 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450,
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

### Selection and ordering data



8GK4 501-3KK23

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for unequipped panels with deep-drawn cover, 40 mm** | | | | | | | |
| External dimensions in mm<br>Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 501-2KK13** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-2KK33** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK13** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-3KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-3KK33** | | 1 | 1 | 039 |

For accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for mounting on support plate



### Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450
  Width: 250, 500
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

### Selection and ordering data

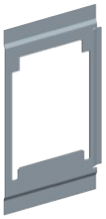


8GK4 550-2KK22

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for mounting on support plates** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123… / 3NP1 133… | 300 | 250 | A | **8GK4 550-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123… / 3NP1 133… | 300 | 500 | A | **8GK4 550-2KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143… | 450 | 250 | A | **8GK4 550-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143… | 450 | 500 | A | **8GK4 550-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153… | 450 | 250 | A | **8GK4 551-3KK12** | | 1 | 1 | 039 |
| 1 x NH3 | 1 x 3NP1 163… | 450 | 500 | A | **8GK4 551-3KK22** | | 1 | 1 | 039 |

**Accessories**



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | **8GK9 912-0KK00** | | 1 | 1 | 039 |



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 40 mm, 5-pole | | | | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| 60 mm, 3-pole | | | | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |

For further accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for busbar mounting



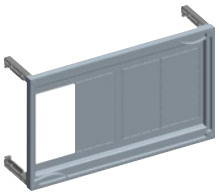
### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450
  Width: 250, 500
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 4/5 and 4/7).
- The Cu busbar and busbar supports must be ordered separately (see page 4/23).

### Selection and ordering data

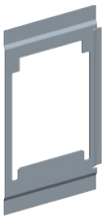


8GK4 650-2KK12

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for busbar mounting** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price € per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 300 | 250 | A | **8GK4 650-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 300 | 500 | A | **8GK4 650-2KK22** | | 1 | 1 | 039 |
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 450 | 250 | A | **8GK4 650-3KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 450 | 500 | A | **8GK4 650-3KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143... | 450 | 250 | A | **8GK4 651-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143... | 450 | 500 | A | **8GK4 651-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153... | 450 | 250 | A | **8GK4 652-3KK12** | | 1 | 1 | 039 |

**Accessories**



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW

| | | | | |
|---|---|---|---|---|
| A | **8GK9 912-0KK00** | 1 | 1 | 039 |



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | DT | Order No. | Price € per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| 40 mm, 5-pole | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| 60 mm, 3-pole | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |

For further accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4/8GE3 assembly kits for SENTRON VL/VF circuit breakers

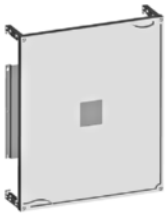
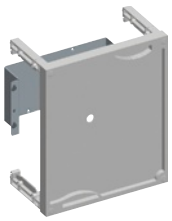


### Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450, 600, 750
  Width: 250, 500
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).

### Selection and ordering data

| | Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8GK4 704-4KK13 | **Assembly kits for SENTRON VL/VF circuit breakers** | | | | | | | | |
| | Versions | | | | | | | | |
| | • 3- and 4-pole for SENTRON VL circuit breakers | | | | | | | | |
| | - 1 × VL160/VL160X | 300 | 250 | A | **8GK4 701-2KK12** | | 1 | 1 | 039 |
| | - 1 × VL160X, 1 × VL160, 1 × VL250 | 450 | 250 | A | **8GK4 701-3KK12** | | 1 | 1 | 039 |
| | - 1 × VL400 | 600 | 250 | A | **8GK4 702-4KK12** | | 1 | 1 | 039 |
| | • 3-pole for SENTRON VL circuit breakers | | | | | | | | |
| | - 1 × VL630 | 600 | 250 | A | **8GK4 703-4KK13** | | 1 | 1 | 039 |
| | • 4-pole, for SENTRON VL circuit breakers | | | | | | | | |
| | - 1 × VL630 | 600 | 500 | A | **8GK4 704-4KK13** | | 1 | 1 | 039 |
|  8GK4 721-3KK10 | • For installation with mounted RCD module | | | | | | | | |
| | - 1 × VL160X + RCD | 450 | 250 | A | **8GK4 720-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL160/VL250 + RCD | 450 | 250 | A | **8GK4 721-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL400 + RCD | 750 | 250 | A | **8GK4 720-5KK10** | | 1 | 1 | 039 |
|  8GK4 722-3KK10 | • For installation with front-operated rotary operating mechanism | | | | | | | | |
| | - 1 × VL160X/VL160/VL250[1] | 450 | 250 | A | **8GK4 722-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL400[2] | 600 | 250 | A | **8GK4 722-4KK10** | | 1 | 1 | 039 |
| | - 1 × VL630 3-pole[2] | 600 | 250 | A | **8GK4 723-4KK10** | | 1 | 1 | 039 |
| | - 1 × VL630 4-pole[2] | 600 | 500 | A | **8GK4 721-4KK20** | | 1 | 1 | 039 |
| | Footnote | | | | | | | | |
| | [1] Depth of distribution board: 250/320 mm. | | | | | | | | |
| | [2] Distribution board depth 320 mm. | | | | | | | | |
|  8GK4 707-3KK17 | **Assembly kits for 3KA switch disconnectors on support plate** | | | | | | | | |
| | Type | External dimensions in mm Height | Width | | | | | | |
| | • 1 x 3KA 50/51/52/53, mounting depth 250 mm | 300 | 250 | C | **8GK4 707-3KK17** | | 1 | 1 | 039 |
| | • 1 x 3KA 55/57/58, mounting depth 320 mm | 300 | 500 | C | **8GK4 707-4KK27** | | 1 | 1 | 039 |

For accessories, see page 4/23 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for 3NJ4 in-line fuse switch disconnectors



### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover for unequipped panels including supports, busbar supports on support plate, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 600, 750
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 4/5 and 4/7).
- The Cu busbar must be ordered separately!
- Caution: Max. rated current of 630 A!
- The assembly kits for sizes 1-3 require a mounting depth of 320 mm.
- If the assembly kits are fully equipped, an incoming feeder bay is required.
- If mounting the in-line fuse switch-disconnectors with 3NJ4 911-3AA00 busbar terminals, the assembly kits cannot be fully equipped!

### Selection and ordering data

| | Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Assembly kits for 3NJ4 in-line fuse switch disconnectors** | | | | | | | | |
| | Versions | | | | | | | | |
|  8GK4 751-4KK33 | • Busbar center-to-center clearance of 100 mm, with busbar support | | | | | | | | |
| | - 4 × 3NJ4, size 00 | 600 | 250 | A | **8GK4 751-4KK13** | | 1 | 1 | 039 |
| | - 9 × 3NJ4, size 00 | 600 | 500 | A | **8GK4 751-4KK23** | | 1 | 1 | 039 |
| | - 14 × 3NJ4, size 00 | 600 | 750 | A | **8GK4 751-4KK33** | | 1 | 1 | 039 |
|  8GK4 752-5KK35 | • Busbar center-to-center clearance of 185 mm, with busbar support | | | | | | | | |
| | - 2 × 3NJ4, size 1-3 | 750 | 250 | A | **8GK4 752-5KK15** | | 1 | 1 | 039 |
| | - 4 × 3NJ4, size 1-3 | 750 | 500 | A | **8GK4 752-5KK25** | | 1 | 1 | 039 |
| | - 7 × 3NJ4, size 1-3 | 750 | 750 | A | **8GK4 752-5KK35** | | 1 | 1 | 039 |
|  3NJ4 912-2AA00 | **Blanking covers** NEW | | | | | | | | |
| | Type | Width in mm | | | | | | | |
| | • For switchboard cutout | 50 | | | **3NJ4 912-2AA00** | | | | |
| | • For size 1 to 3 switch disconnectors | 100 | | | **3NJ4 912-2BA00** | | | | |
| | • For 3NJ4 410-3 | 50 | | | **3NJ4 912-2CA00** | | | | |

For accessories, see page 4/23 ff.

## 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, busbar supports for bus-mounting fuse bases, screws and mounting accessories
- Dimensions of assembly kits (mm)
  Height: 300, 450
  Width: 250
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 4/5 and 4/7).
- The Cu busbar must be ordered separately (see page 4/23).

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for bus-mounting fuse bases for mounting on busbar systems

### Selection and ordering data



8GK4 801-3KK12

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for bus-mounting fuse bases, for mounting on busbar systems**<br>• 3-pole<br>• Busbar center-to-center clearance 60 mm<br>• 7 x NEOZED D02 | | | | | | | |
| External dimensions in mm<br>Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 801-2KK12** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 801-3KK12** | | 1 | 1 | 039 |
| Note | | | | | | | |
| Two busbar supports are included in the assembly kit | | | | | | | |

For accessories, see page 4/23 ff.

## 8GK4 assembly kits for SR60 busbar system, 60 mm

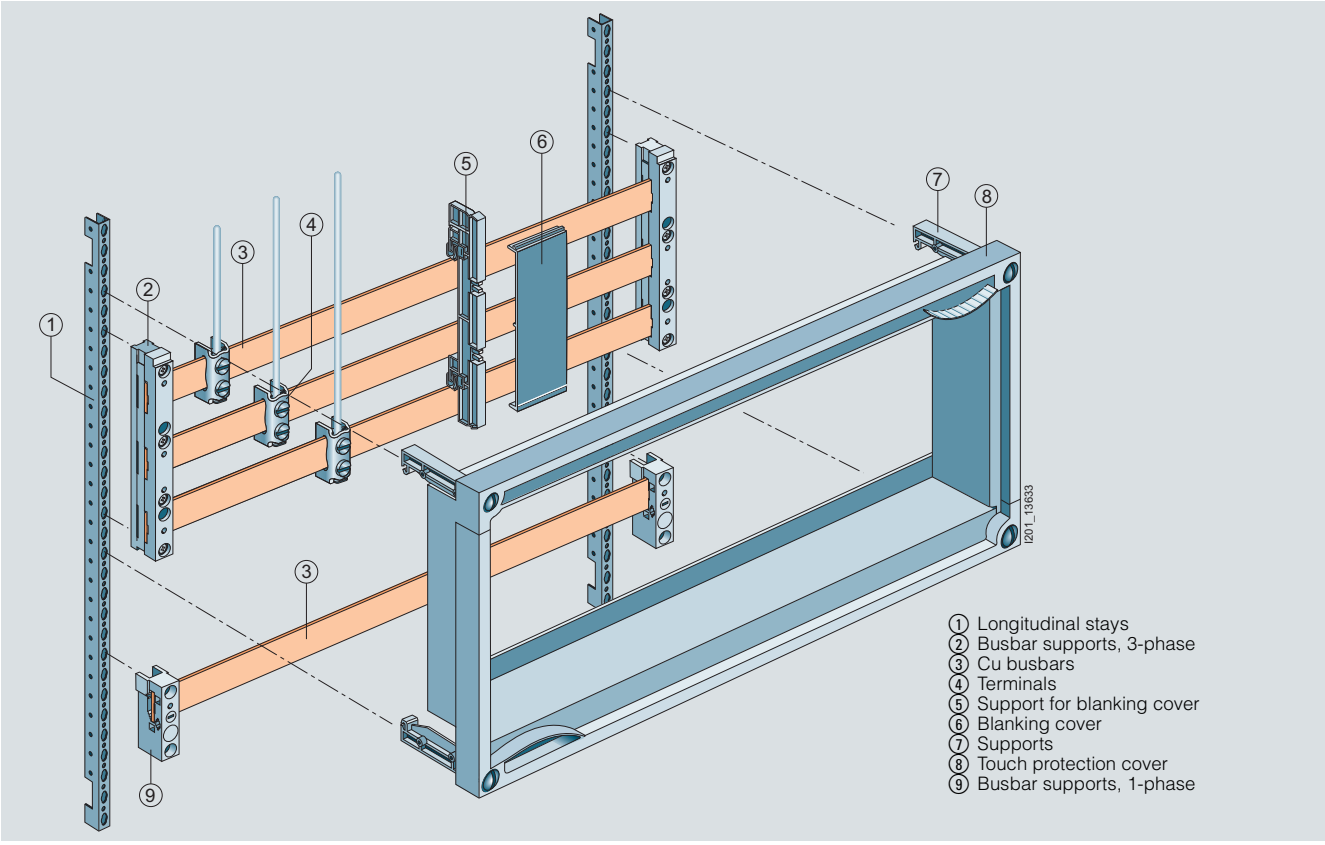
### Overview

- Assembly kits for individual and project-related assembly, comprising: deep-drawn front cover with supports
- Dimensions of assembly kits (mm)
  Height: 300, 450
  Width: 250, 500, 750
  Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see pages 4/5 and 4/7).
- The Cu busbar and busbar supports must be ordered separately (see page 4/23).

### Design




Distribution board components

* You can order this quantity or a multiple thereof.

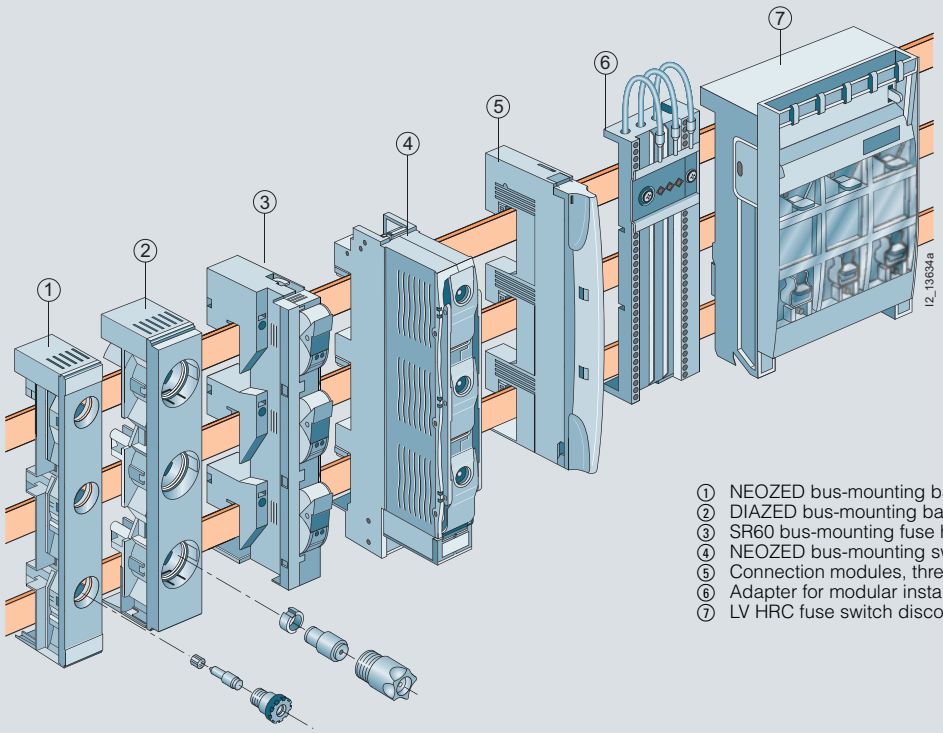
© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for SR60 busbar systems, 60 mm



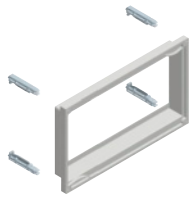


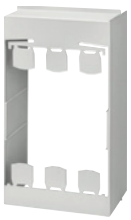

① NEOZED bus-mounting bases, 3-pole
② DIAZED bus-mounting bases, 3-pole
③ SR60 bus-mounting fuse holders, 3-pole
④ NEOZED bus-mounting switch disconnectors, 3-pole
⑤ Connection modules, three-phase
⑥ Adapter for modular installation devices acc. to DIN 43880
⑦ LV HRC fuse switch disconnectors

Built-in components

### Selection and ordering data

| Version | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
| **Assembly kits for SR60 busbar systems, 60 mm**<br>Busbar center-to-center clearance of 60 mm | | | | | | | |
| External dimensions in mm<br>Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 801-2KK13** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 801-2KK23** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 801-2KK33** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 801-3KK13** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 801-3KK23** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 801-3KK33** | | 1 | 1 | 039 |
| Note | | | | | | | |
| Caution: Busbar supports (8GK9 711-0KK03) not included in delivery. | | | | | | | |
| **Shrouding covers, for 3NP4 076 switch disconnectors** | | B | **3NY7 600** | | 1 | 1 | 103 |
| **Supports for blanking covers** | | B | **5SH3 536** | | 1 | 4/160 | 016 |


8GK4 801-2KK13


3NY7 600


5SH3 536

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards



## 8GK4 assembly kits for SR60 busbar systems, 60 mm

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  5SH3 537 | **Blanking covers** | A | **5SH3 537** | | 1 | 2 | 016 |

For accessories, see page 4/23 ff.

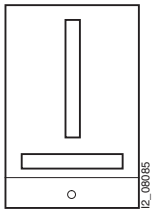
## 8GE assembly kits for meter mounting

### Overview

- Assembly kits for individual and project-related assembly, not standardized, only for internal measurements, comprising: meter support plate with all-round partitions, screws and mounting accessories
- Dimensions of assembly kits (H x W): 450 mm × 250 mm
- Panel-size grid dimensions (H × W): 150 mm × 250 mm

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 4/5 and 4/7).

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GE3 713-4 | **Assembly kits for meter mounting**<br>• For meter mounting (not standardized, 375 mm)<br>• Height 450 mm<br>• Width 250 mm | B | **8GE3 713-4** | | 1 | 1 | 042 |

For accessories, see page 4/23 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Unequipped distribution boards



### Selection and ordering data

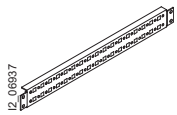
| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Cabinet mounting lugs, flat** | | | | | | |
| | Versions | | | | | | |
| | • For mounting and fixing the distribution boards directly against the wall without spacing (1 set = 4 lugs incl. screws) | A | **8GK9 910-0KK36** | | 1 set | 5 sets | 039 |
| | • For connecting two distribution boards and for mounting and fixing the distribution boards directly against the wall without spacing, (8GK9 910-0KK36 also required for the ends of a row of distribution boards) (1 set = 2 lugs incl. screws) | A | **8GK9 910-0KK37** | | 1 set | 1 set | 039 |
|  8GK9 100-0KK00 | **Flanges** For fast and correct wiring | | | | | | |
| | Versions | | | | | | |
| | • 1-component flanges (for IP43 distribution boards, installed on bottom panel)<br>- For bottom cable entry, with 11 possible knockouts<br>- Max. ∅ 50.5 mm, made of plastic | A | **8GK9 100-0KK00** | | 1 | 1 | 039 |
|  8GK9 100-0KK02 | • 2-component flanges (degree of protection: IP55)<br>- For top/bottom cable entry<br>- With 44 possible knockouts<br>- Comprising 2 elastic components | A | **8GK9 100-0KK01** | | 1 | 1 | 039 |
|  8GK9 100-0KK10 | • Flange plates: sheet steel (only safety class 1)<br>- For metric screw connections, degree of protection: IP43<br>- For metric screw connections, degree of protection: IP55 | <br>A<br>A | <br>**8GK9 100-0KK02**<br>**8GK9 100-0KK03** | | <br>1<br>1 | <br>1<br>1 | <br>039<br>039 |
| | • Connecting flanges | A | **8GK9 100-0KK10** | | 1 | 1 | 039 |
| | **Paint sticks**<br>• Color RAL 7035 (light gray)<br>• 12 g | A | **8GK9 910-0KK16** | | 1 | 1 | 039 |
| | **Paint spray cans**<br>• Color RAL 7035 (light gray)<br>• 400 ml | C | **8GK9 910-0KK18** | | 1 | 1 | 039 |
| | **Bases**[1] External height: 100 mm | | | | | | |
| | External dimensions in mm<br>Depth / Width | | | | | | |
|  8GK9 901-0KK12 | 210 / 300 | C | **8GK9 901-0KK12** | | 1 | 1 | 039 |
| | 210 / 550 | A | **8GK9 901-0KK22** | | 1 | 1 | 039 |
| | 210 / 800 | A | **8GK9 901-0KK32** | | 1 | 1 | 039 |
| | 210 / 1050 | A | **8GK9 901-0KK42** | | 1 | 1 | 039 |
| | 210 / 1300 | B | **8GK9 901-0KK52** | | 1 | 1 | 039 |
|  8GK9 900-0KK13 | 250 / 300 | C | **8GK9 900-0KK13** | | 1 | 1 | 039 |
| | 250 / 550 | C | **8GK9 900-0KK23** | | 1 | 1 | 039 |
| | 250 / 800 | C | **8GK9 900-0KK33** | | 1 | 1 | 039 |
| | 250 / 1050 | C | **8GK9 900-0KK43** | | 1 | 1 | 039 |
| | 250 / 1300 | C | **8GK9 900-0KK53** | | 1 | 1 | 039 |
|  8GK9 900-0KK14 | 320 / 300 | C | **8GK9 900-0KK14** | | 1 | 1 | 039 |
| | 320 / 550 | C | **8GK9 900-0KK24** | | 1 | 1 | 039 |
| | 320 / 800 | C | **8GK9 900-0KK34** | | 1 | 1 | 039 |
| | 320 / 1050 | C | **8GK9 900-0KK44** | | 1 | 1 | 039 |
| | 320 / 1300 | C | **8GK9 900-0KK54** | | 1 | 1 | 039 |
| | Footnote | | | | | | |
| | [1] Further base heights, e.g. 30 mm, are available on request. | | | | | | |
|  8GK9 100-0KK04 | **Flange plates**<br>• Degree of protection IP55<br>• Safety class 1<br>• For cabinet depth 320 mm, if center plate is removed<br>• Sheet steel, without knockouts | C | **8GK9 100-0KK04** | | 1 | 1 | 039 |



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 561-0KK01 | **Locking systems** | | | | | | |
| | Versions | | | | | | |
| | • Rotary handles<br>- Can be recessed, with pushbutton technique | A | **8GK9 561-0KK01** | | 1 | 1 | 039 |
| | • Lock inserts<br>- For installation of profile semicylinders | A | **8GK9 561-0KK02** | | 1 | 1 | 039 |
| | • Profile semicylinders, 40 mm, with E012 lock and 2 keys<br>- With insert for the rotary handle<br>- Only to be used together with the lock insert (this must be ordered separately) | A | **8GK9 561-0KK00** | | 1 | 1 | 039 |
| | • Profile semicylinders with Senat tumbler | C | **8GK9 560-0KK03** | | 1 | 1 | 039 |
|  8GK9 561-0KK02 | | | | | | | |
|  8GK9 561-0KK00 | | | | | | | |
|  8GK9 911-0KK10 | **Cable clamping rails**<br>• For strain relief<br>• C-profile 30 mm x 15 mm | | | | | | |
| | Versions | | | | | | |
| | • Width 250 mm | A | **8GK9 911-0KK10** | | 1 | 1 | 039 |
| | • Width 500 mm | A | **8GK9 911-0KK20** | | 1 | 1 | 039 |
| | • Width 750 mm | A | **8GK9 911-0KK30** | | 1 | 1 | 039 |
| | • Width 1000 mm | A | **8GK9 911-0KK40** | | 1 | 1 | 039 |
| | • Width 1250 mm | A | **8GK9 911-0KK50** | | 1 | 1 | 039 |
|  8GK9 910-0KK22 | **Circuit diagram pockets** | | | | | | |
| | Versions | | | | | | |
| | • DIN A 3, made of sheet steel, depth 10 mm | A | **8GK9 910-0KK22** | | 1 | 1 | 039 |
| | • DIN A 4, transparent sleeve | A | **8GK9 910-0KK23** | | 1 | 20 | 039 |
| | • DIN A 4, made of plastic, depth 30 mm | A | **8GD9 132** | | 1 | 1 | 042 |
| SIEMENS 8GD9 084 | **Siemens nameplates**<br>Made of aluminum, self-adhesive, petrol | A | **8GD9 084** | | 1 | 1 | 042 |
|  8GK4 853-0KK20 | **Cross arms** | | | | | | |
| | Versions | | | | | | |
| | • Width 500 mm | C | **8GK4 853-0KK20** | | 1 | 2 | 039 |
| | • Width 750 mm | C | **8GK4 853-0KK30** | | 1 | 2 | 039 |
|  8GK9 913-0KK30 | **Masking frames**<br>• Sheet steel<br>• For recessed installation of stays<br>• Height 1800 mm | | | | | | |
| | Width in mm | | | | | | |
| | 250 | C | **8GK9 913-0KK10** | | 1 | 1 | 039 |
| | 500 | C | **8GK9 913-0KK20** | | 1 | 1 | 039 |
| | 750 | C | **8GK9 913-0KK30** | | 1 | 1 | 039 |
| | 1000 | C | **8GK9 913-0KK40** | | 1 | 1 | 039 |
| | 1250 | C | **8GK9 913-0KK50** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

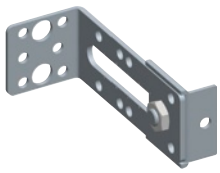
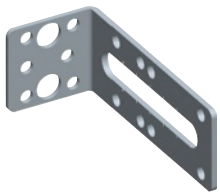
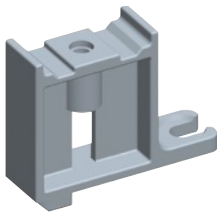
© Siemens AG 2010



# Accessories

## Unequipped distribution boards



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Partitions**<br>• Sheet steel<br>• For mounting depth 250/320 mm | | | | | | |
| | Versions | | | | | | |
|  <br>8GK9 520-8KK00 | • Vertical<br>(Vertical separation for 320 mm depth only: at a depth of 250 mm, the stays reach the rear plate)<br>- Height 1800 mm | C | **8GK9 520-8KK00** | | 1 | 1 | 039 |
|  <br>8GK9 520-0KK20 | • Horizontal<br>(for 250 mm depth: push separation back to break it off)<br>- Width 250 mm<br>- Width 500 mm | C<br>C | **8GK9 520-0KK10**<br>**8GK9 520-0KK20** | | 1<br>1 | 1<br>1 | 039<br>039 |
| | **Screws**<br>• Self-tapping<br>• M5 x 10<br>• Large pack: 500 units | C | **8GK9 911-0KK00** | | 1 | 500 | 039 |
|  <br>8GK9 911-0KK01 | **Extra-deep brackets**<br>• Depth-adjustable<br>• Large pack: 10 units | C | **8GK9 911-0KK01** | | 1 | 10 | 039 |
|  <br>8GK9 911-0KK02 | **Drop-down brackets, universal**<br>• Large pack: 10 units | C | **8GK9 911-0KK02** | | 1 | 10 | 039 |
| | **Support extensions**<br>• 7.5 mm<br>• Large pack: 100 units | C | **8GK9 911-0KK03** | | 1 | 100 | 039 |
|  <br>8GK9 911-0KK05 | **Iso supports**<br>• For insulated standard mounting rail assembly<br>• Large pack: 50 units | | | | | | |
| | Versions | | | | | | |
| | • 12 mm<br>• 31.5 mm<br>• 55.5 mm | C<br>C<br>C | **8GK9 911-0KK04**<br>**8GK9 911-0KK05**<br>**8GK9 911-0KK06** | | 1<br>1<br>1 | 50<br>50<br>50 | 039<br>039<br>039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Unequipped distribution boards


8GK9 301-2KK01


8GK9 103-0KK10

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Partitions (for depth 210 mm)** | | | | | | |
| • For the visual and spatial separation of different potentials<br>• Material: plastic<br>• For mounting depth 210 mm | | | | | | |
| Versions | | | | | | |
| • Vertical | | | | | | |
| - Height 300 mm | A | **8GK9 301-2KK01** | | 1 | 1 | 039 |
| - Height 450 mm | A | **8GK9 301-3KK01** | | 1 | 1 | 039 |
| - Height 600 mm | A | **8GK9 101-4KK01** | | 1 | 1 | 039 |
| - Height 750 mm | A | **8GK9 101-5KK01** | | 1 | 1 | 039 |
| - Height 900 mm | A | **8GK9 101-6KK01** | | 1 | 1 | 039 |
| - Height 1050 mm | A | **8GK9 101-7KK01** | | 1 | 1 | 039 |
| - Height 1200 mm | A | **8GK9 101-8KK01** | | 1 | 1 | 039 |
| - Height 1350 mm | A | **8GK9 102-8KK01** | | 1 | 1 | 039 |
| • Horizontal | | | | | | |
| - Width 250 mm | A | **8GK9 103-0KK10** | | 1 | 1 | 039 |
| - Width 500 mm | A | **8GK9 103-0KK20** | | 1 | 1 | 039 |
| - Width 750 mm | A | **8GK9 103-0KK30** | | 1 | 1 | 039 |

## Assembly kits

### Selection and ordering data


8GK9 650-0KK00

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Busbar supports**<br>With matching support plate | | | | | | |
| Versions | | | | | | |
| • 1-pole<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm<br>- Height 150 mm | A | **5SH3 540** | | 1 | 1 | 016 |
| • 5-pole<br>- Busbar center-to-center clearance of 40 mm<br>- For Cu busbars 12 × 5 (10) mm and for mounting 3NP fuse switch disconnectors<br>- Height 300 mm | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| • 3-pole<br>- Busbar center-to-center clearance of 60 mm<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm<br>- For bus-mounting fuse bases and 3NP4076 switch disconnectors, used together with assembly kits (mounting directly on the stays) | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |
| **Cu busbars** | | | | | | |
| Versions | | | | | | |
| • Cu cross-section of 12 × 5 mm, 250 A | | | | | | |
| - Length 250 | A | **8GK9 731-0KK10** | | 1 | 5 | 039 |
| - Length 500 | A | **8GK9 731-0KK20** | | 1 | 5 | 039 |
| - Length 750 | A | **8GK9 731-0KK30** | | 1 | 5 | 039 |
| - Length 1000 | A | **8GK9 731-0KK40** | | 1 | 5 | 039 |
| - Length 1250 | A | **8GK9 731-0KK50** | | 1 | 5 | 039 |
| • Cu cross-section of 20 × 5 mm, 320 A | | | | | | |
| - Length 250 | A | **8GK9 733-0KK10** | | 1 | 5 | 039 |
| - Length 500 | A | **8GK9 733-0KK20** | | 1 | 5 | 039 |
| - Length 750 | A | **8GK9 733-0KK30** | | 1 | 5 | 039 |
| - Length 1000 | A | **8GK9 733-0KK40** | | 1 | 5 | 039 |
| - Length 1250 | A | **8GK9 733-0KK50** | | 1 | 5 | 039 |
| • Cu cross-section of 30 × 5 mm, 450 A | | | | | | |
| - Length 250 | A | **8GK9 735-0KK10** | | 1 | 5 | 039 |
| - Length 500 | A | **8GK9 735-0KK20** | | 1 | 5 | 039 |
| - Length 750 | A | **8GK9 735-0KK30** | | 1 | 5 | 039 |
| - Length 1000 | A | **8GK9 735-0KK40** | | 1 | 5 | 039 |
| - Length 1250 | A | **8GK9 735-0KK50** | | 1 | 5 | 039 |
| • Cu cross-section of 30 × 10 mm, 630 A | | | | | | |
| - Length 250 | A | **8GK9 736-0KK10** | | 1 | 5 | 039 |
| - Length 500 | A | **8GK9 736-0KK20** | | 1 | 5 | 039 |
| - Length 750 | A | **8GK9 736-0KK30** | | 1 | 5 | 039 |
| - Length 1000 | A | **8GK9 736-0KK40** | | 1 | 5 | 039 |
| - Length 1250 | A | **8GK9 736-0KK50** | | 1 | 5 | 039 |

*** You can order this quantity or a multiple thereof.**

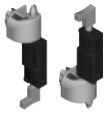
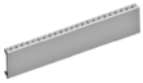
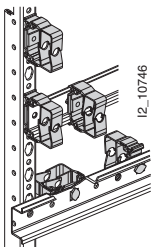
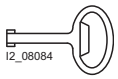
© Siemens AG 2010



# Accessories

## Assembly kits



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 910-0KK30 | **Supports for front cover**<br>• Long version<br>• Material: plastic<br>• 1 set = 4 supports | A | **8GK9 910-0KK30** | | 1 set | 5 sets | 039 |
|  8GK9 910-0KK10 | **N/PE bars**<br>• For mounting on longitudinal stays<br>• With 2 x 29 clamping points<br>• 16 mm²<br>• Length 250 mm | A | **8GK9 910-0KK10** | | 1 | 1 | 039 |
|  8GK9 910-0KK11 | **N/PE bars as plug-in terminals** | | | | | | |
| | Versions | | | | | | |
| | • Each with 6 screw terminals from 2.5 ... 16 mm² and 21 plug-in terminals from 1.5 ... 4 mm² for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK11** | | 1 | 1 | 039 |
| | • With 6 screw terminals from 2.5 ... 16 mm² and 21 plug-in terminals from 1.5 ... 4 mm² for PE bar and one N bar each with 2 screw terminals from 2.5 ... 16 mm² and 10 plug-in terminals from 1.5 ... 4 mm² for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK12** | | 1 | 1 | 039 |
|  8US19 21-2AA00 | **Terminal blocks for circular conductors** | | | | | | |
| | Versions | | | | | | |
| | • Busbar thickness of 5 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2AA00** | | 100 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2AB00** | | 100 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2AD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2AC00** | | 1 | 50 | 143 |
| | • Busbar thickness of 10 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2BA00** | | 1 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2BB00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2BD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2BC00** | | 1 | 50 | 143 |
|  8GK9 920-0KK24 | **Replacement door hinges**<br>• For wall/floor-mounted distribution boards<br>• 1 set = 2 hinges | A | **8GK9 920-0KK24** | | 1 set | 1 set | 038 |
|  8GK9 910-0KK00 | **Blanking strips**<br>Color RAL 7035 (light gray) | | | | | | |
| | Versions | | | | | | |
| | • For 12 MW (1 MW = 18 mm) | A | **8GK9 910-0KK00** | | 1 | 10 | 039 |
| | • Length 1 m,<br>without pressure-relief joint, to cut to length | A | **8GK9 910-0KK01** | | 1 | 1 | 039 |
| | **Connecting kits, IP43/IP55**<br>• For side-by-side mounting of enclosures<br>• Comprising:<br>- Screws<br>- Washers<br>- Nuts<br>- 10 m of sealing strip roll | A | **8GK9 920-0KK31** | | 1 | 1 | 039 |
| | Note | | | | | | |
| | A bushing flange is required for electrical connections! | | | | | | |
|   8GK9 910-0KK80 | **Cable holders**<br>For standard mounting rails | ▶ | **8GK9 910-0KK80** | | 1 | 200 | 039 |
|   8GD9 290 | **Spare keys**<br>For double-bit locking mechanism | A | **8GD9 290** | | 1 | 1 | 042 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Assembly kits

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 910-0KK34 | **Extra-deep brackets**<br>• For recessed installation of standard mounting rails | A | **8GK9 910-0KK34** | | 1 set | 1 set | 039 |
|  8GK9 910-0KK26 | **Quick-lock screws**<br>• Material: plastic<br>• Color: RAL 7035 | A | **8GK9 910-0KK26** | | 1 | 20 | 039 |
|  8GK9 910-0KK27 | **Assembly tools**<br>• For supports<br>• Short and long version<br>• With ergonomic handle | A | **8GK9 910-0KK27** | | 1 | 1 | 039 |
| | **A630 eyebolts** | C | **8GK9 918-0KK00** | | 1 | 1 | 039 |
|  8GK9 910-0KK35 | **Standard mounting rails, lowered** | | | | | | |
| | Width | | | | | | |
| | • 250 mm | A | **8GK9 910-0KK35** | | 1 | 1 | 039 |
| | • 500 mm NEW | C | **8GK9 910-0KK40** | | 1 set | 1 set | 039 |
| | • 750 mm NEW | C | **8GK9 910-0KK41** | | 1 set | 1 set | 039 |

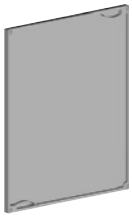
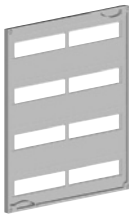
# Accessories - Ordering Large Quantities

## Front covers

### Overview

- Front covers in large order quantities (Big Pack)
- Dimensions of front covers, closed (mm):
  - Height: 75, 150, 300, 450, 600
  - Width: 250, 500, 750
- Dimensions of front covers, with cutout (mm)
  - Height: 150, 300, 450, 600
  - Width: 250, 500, 750
  - Tier spacing: 150

### Selection and ordering data

| | Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
|  8GK9 601-4KK10 | **Front covers, closed** | | | | | | | |
| | External height in mm | External width in mm | | | | | | |
| | 75 | 250 | C | **8GK9 601-0KK10** | | 1 | 10 | 039 |
| | 150 | 250 | A | **8GK9 601-1KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-1KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-1KK30** | | 1 | 10 | 039 |
| | 300 | 250 | A | **8GK9 601-2KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-2KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-2KK30** | | 1 | 10 | 039 |
| | 450 | 250 | A | **8GK9 601-3KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-3KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-3KK30** | | 1 | 10 | 039 |
| | 600 | 250 | A | **8GK9 601-4KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-4KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-4KK30** | | 1 | 10 | 039 |
|  8GK9 601-4KK11 | **Front covers, with cutout** | | | | | | | |
| | External height in mm | External width in mm | Tiers/MW | | | | | |
| | 150 | 250 | 1/12 | A | **8GK9 601-1KK11** | | 1 | 10 | 039 |
| | | 500 | 1/24 | A | **8GK9 601-1KK21** | | 1 | 10 | 039 |
| | | 750 | 1/36 | A | **8GK9 601-1KK31** | | 1 | 10 | 039 |
| | 300 | 250 | 2/24 | A | **8GK9 601-2KK11** | | 1 | 10 | 039 |
| | | 500 | 2/48 | A | **8GK9 601-2KK21** | | 1 | 10 | 039 |
| | | 750 | 2/72 | A | **8GK9 601-2KK31** | | 1 | 10 | 039 |
| | 450 | 250 | 3/36 | A | **8GK9 601-3KK11** | | 1 | 10 | 039 |
| | | 500 | 3/72 | A | **8GK9 601-3KK21** | | 1 | 10 | 039 |
| | | 750 | 3/108 | A | **8GK9 601-3KK31** | | 1 | 10 | 039 |
| | 600 | 250 | 4/48 | A | **8GK9 601-4KK11** | | 1 | 10 | 039 |
| | | 500 | 4/96 | A | **8GK9 601-4KK21** | | 1 | 10 | 039 |
| | | 750 | 4/144 | A | **8GK9 601-4KK31** | | 1 | 10 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

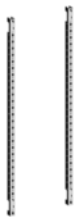


# Accessories - Ordering Large Quantities



## Assembly kits

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  <br>8GK9 910-0KK31 | **Supports for front cover**<br>Material: plastic | | | | | | |
| | Versions | | | | | | |
| | • Long version | A | **8GK9 910-0KK31** | | 1 | 100 | 039 |
| | • Short version | A | **8GK9 910-0KK24** | | 1 | 100 | 039 |
|  <br>8GK9 910-1KK10 | **Standard mounting rails 15 mm** | | | | | | |
| | Versions | | | | | | |
| | • Width 250 mm | A | **8GK9 910-1KK10** | | 1 | 10 | 039 |
| | • Width 500 mm | A | **8GK9 910-1KK20** | | 1 | 10 | 039 |
| | • Width 750 mm | A | **8GK9 910-1KK30** | | 1 | 10 | 039 |
| | • Width 1000 mm | A | **8GK9 910-1KK40** | | 1 | 10 | 039 |
| | • Width 1250 mm | A | **8GK9 910-1KK50** | | 1 | 10 | 039 |
|  <br>8GK9 910-1KK83<br>  <br>8GK9 910-1KK84<br>  <br>8GK9 910-1KK85 | **Standard mounting rail holders**<br>• For standard mounting rail, 15 mm and supports<br>• Long version<br>• Comprising 1 left and 1 right holder<br>• 1 set = 20 holders, 10 × left, 10 × right | | | | | | |
| | Versions | | | | | | |
| | • For 1 standard mounting rail | A | **8GK9 910-1KK81** | | 1 set | 1 set | 039 |
| | • For 2 standard mounting rails | A | **8GK9 910-1KK83** | | 1 set | 1 set | 039 |
| | • For 3 standard mounting rails | A | **8GK9 910-1KK84** | | 1 set | 1 set | 039 |
| | • For 4 standard mounting rails | A | **8GK9 910-1KK85** | | 1 set | 1 set | 039 |
|  <br>8GK4 853-8KK01 | **Spare stays for older floor-mounted distribution boards**<br>• To mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• Height 1800 mm, depth 250/320 mm<br>• 1 set = 2 stays | A | **8GK4 853-8KK01** | | 1 set | 1 set | 039 |
| | Note | | | | | | |
| | These stays cannot be used with the new 8GK4 853-8KK01 floor-mounted distribution boards. | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA AS
# Modular Distribution Boards

5




5/2 **Introduction**

**Unequipped Distribution Boards**
5/4 Modular distribution boards
5/5 Add-on parts

**Assembly Kits for Unequipped Distribution Boards**
5/6 8GK4 assembly kits for modular installation devices
5/7 8GK4 assembly kits for terminal blocks
5/8 8GK4 assembly kits with mounting plates
5/9 8GK4 assembly kits for unequipped panels
5/9 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm
5/10 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for mounting on support plate
5/11 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for busbar mounting
5/12 8GK4/8GE3 assembly kits for SENTRON VL circuit breakers
5/13 8GK4 assembly kits for 3NJ4 in-line fuse switch disconnectors
5/13 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems
5/14 8GK4 assembly kits for SR60 busbar systems, 60 mm
5/16 8GE assembly kits for meter mounting

**Accessories**
5/16 Unequipped distribution boards
5/19 Assembly kits

**Accessories - Ordering Large Quantities**
5/21 Front covers
5/22 Assembly kits

© Siemens AG 2010



## Introduction



### Overview

#### *System*

The modular design of our new Siemens distribution board system draws on our long years of experience in the distribution board sector.

This system has been tailored to meet individual requirements for distribution board installation.

The new ALPHA AS modular distribution board system comprises unequipped distribution boards with removable rear plates, doors, bases with degree of protection IP55, assembly kits for project-related and individual assembly - and an extensive range of accessories.

#### *Enclosures*

- Material: electrogalvanized and powder-coated sheet steel.
- Sheet thickness, degree of protection IP43/IP55: body 1.25 mm, door 1 mm
- Color: RAL 7035 (light gray), further RAL colors available on request.

#### *Assembly kits*

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g., for switching devices and modular installation devices.

The largest switching devices that can installed in the ALPHA AS range are Siemens switching devices with a rated current of up to 1250 A.

#### *Cabinet dimensions*

- All dimensions are stated in mm.
- Height:
  - Internal dimensions: 1800
  - External dimension with base: 1950
- Width (internal/external): 250/300, 500/550, 750/800, 1000/1050, 1250/1300
- Depth (external): 400
- Assembly kits in panel-size grid dimensions, height x width: 150 x 250

### Benefits

- Busbars are routed over the rear plate through butt-mounted distribution boards
- The removable rear plate facilitates installation
- Degree of protection IP55
- Safety class 1 (protective conductor connection)
- Easy planning thanks to modular design
- Flexible expansion with a range of assembly kits from the ALPHA 630 cabinet system
- Generous wiring spaces
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- System concept according to DIN, EN and VDE regulations
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly and recyclable plastics

### Application

The ALPHA AS modular distribution board is ideal for use where busbar routings are required to be fed through butt-mounted floor-mounted distribution boards or where distribution boards with deeper enclosures are required (e.g. in administrative, non-residential, commercial and industrial buildings). It supplements the Siemens floor-mounted distribution board range with the mounting depth 400 mm.

The distribution board and its components are of modular design.

The ALPHA AS modular distribution board is designed for use with ALPHA DIN assembly kits.

The modular distribution boards can be supplied in safety class 1 (protective conductor connection). Degree of protection IP55 can be achieved if used together with the required flanges.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

Supports installation of 40-mm, 60-mm and 185-mm busbar systems with dimensions up to 100 mm × 10 mm.

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting.

Assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching devices and modular installation devices.



© Siemens AG 2010


## Technical specifications

| | |
|---|---|
| Overvoltage category | III |
| Rated impulse withstand voltage $U_{imp}$ in kV | 6 |
| Clearance and creepage distances | DIN VDE 0110 |
| Rated insulation voltage $U_i$ in V | 690 |
| Rated operational voltage $U_e$ in V AC/DC | 690 |
| Rated voltage $U_n$ (40 Hz ... 60 Hz AC) in V | 690 for built-in devices |
| Rated current in A | 1250 |
| Rated peak short-circuit current $I_{pk}$ in kA<br>• With 60 mm busbar supports<br>• With 185 mm busbar supports | <br>Up to 78.9[1)]<br>Up to 110[1)] |
| Rated short-time current $I_{cw}$ in kA<br>• With 60 mm busbar supports<br>• With 185 mm busbar supports | <br>Up to 34[1)]<br>Up to 35[1)] |
| Protective measures | Safety class 1 (protective conductor connection) |
| Number of conductors within the busbar run | 4/5 |
| Degree of protection acc. to EN 60529 | IP43 with door, IP55 with door (with matching flanges) |
| Standard mounting rail tier spacing per standard mounting rail tier in mm | 150 |
| Modular width (MW) | 18 mm, 12 MW + 1 mountable MW |
| Pollution degree | 3 |
| Ambient temperature in °C | 35 (24-h average value) |
| Relative air humidity in % | 50 at 40 °C |
| Test specifications | EN 60439-1/3 (VDE 0660 Part 500/504) |
| Enclosures | Sheet steel |
| Mounting dimensions | DIN 43880 |
| Surface | Electrogalvanized and powder-coated |
| Color[2)] | RAL 7035 (light gray) |
| Locking system | 3-point locking with integrated espagnolette lock<br>(can be replaced with other locking systems if required) |
| Packing material | Shock-proof, environmentally-friendly |

1) Depending on busbar support clearance.

2) Further RAL colors are available on request.

### *Cabinet dimensions*

| **Cabinet (external dimensions)** | | |
|---|---|---|
| **Height** | **Width** | **Depth** |
| mm | mm | mm |
| 1950 with base (100 mm) | 300<br>550<br>800<br>1050<br>1300 | 400 |

© Siemens AG 2010



# Unequipped Distribution Boards

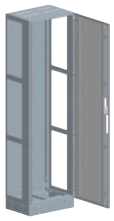
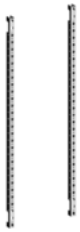
## Modular distribution boards



### Overview

- Type of delivery: pre-assembled unequipped distribution boards, with removable rear plate, door and open side panels
- Cabinet depth of 400 mm
- Safety class 1 (protective conductor connection)
- Degree of protection IP55
- Color RAL 7035 (light gray)
- Enclosure (with base) pre-assembled with door and espagnolette lock, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door.
- Flanges must be ordered separately

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
|  8GK1 423-8KK15 | **Modular distribution boards**<br>• Delivery as pre-assembled unequipped distribution board<br>• Degree of protection IP55<br>• Color: RAL 7035<br>• External height: 1950 mm<br>• External depth: 400 mm | | | | | | |
| | External width in mm | | | | | | |
| | • 300 | C | **8GK1 423-8KK15** | | 1 | 1 | 039 |
| | • 550 | C | **8GK1 423-8KK25** | | 1 | 1 | 039 |
| | • 800 | C | **8GK1 423-8KK35** | | 1 | 1 | 039 |
| | • 1050 | C | **8GK1 423-8KK45** | | 1 | 1 | 039 |
| | • 1300 | C | **8GK1 423-8KK55** | | 1 | 1 | 039 |
|  8GK9 520-0KK05 | **Side panels, modular distribution board**<br>Depth 400 mm | C | **8GK9 520-0KK05** | | 1 | 1 | 039 |
| **Accessories** | | | | | | | |
|  8GK4 853-8KK02 | **Longitudinal stays (latchable pivot stays)**<br>• In order to mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• Height 1800 mm<br>• Depth 250/320/400 mm<br>• 1 set = 2 stays | C | **8GK4 853-8KK02** | | 1 set | 1 set | 039 |

For assembly kits, see page 5/6 ff.
For accessories, see page 5/16 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010





## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
|  8GK9 902-0KK13 | **Additional bases**<br>• For ALPHA modular distribution boards<br>• Depth 400 mm<br>• Height 100 mm<br>• Color: RAL 7035 | | | | | | |
| | External width in mm | | | | | | |
| | • 300 | C | **8GK9 902-0KK13** | | 1 | 1 | 039 |
| | • 550 | C | **8GK9 902-0KK23** | | 1 | 1 | 039 |
| | • 800 | C | **8GK9 902-0KK33** | | 1 | 1 | 039 |
| | • 1050 | C | **8GK9 902-0KK43** | | 1 | 1 | 039 |
| | • 1300 | C | **8GK9 902-0KK53** | | 1 | 1 | 039 |
|  8GK1 100-0KK04 | **Flange plates**<br>For lower flange opening (sheet steel closed) | | **8GK1 100-0KK04** | | | | |
| | **Assembly kits - leveling feet**<br>• For ALPHA mod. distr. boards with a mounting depth of 400 mm<br>• Height adjustable leveling feet | C | **8GK9 902-0KK00** | | 1 | 1 | 039 |
| | **Eyebolts**<br>M12 | C | **8GK9 918-0KK00** | | 1 | 1 | 039 |
|  8GK9 913-0KK30 | **Assembly kits masking frame for front cover**<br>Height 1800 mm | | | | | | |
| | Width in mm | | | | | | |
| | • 250 | C | **8GK9 913-0KK10** | | 1 | 1 | 039 |
| | • 500 | C | **8GK9 913-0KK20** | | 1 | 1 | 039 |
| | • 750 | C | **8GK9 913-0KK30** | | 1 | 1 | 039 |
| | • 1000 | C | **8GK9 913-0KK40** | | 1 | 1 | 039 |
| | • 1250 | C | **8GK9 913-0KK50** | | 1 | 1 | 039 |
| | Note | | | | | | |
| | Assembly kit only necessary if the mounting stays are mounted at the rear of the modular distribution board. | | | | | | |
|  8GK9 720-0KK00 | **Busbar supports**<br>Busbar spacing 100/185 mm | | | | | | |
| | Versions | | | | | | |
| | • With matching support plate for mounting on the rear plate | C | **8GK9 720-0KK00** | | 1 | 1 | 039 |
| | • Without support plate for mounting on the rear plate, including fixing screws | C | **8GK9 720-0KK01** | | 1 | 1 | 039 |
| | Accessories | | | | | | |
| | Holder - PEN bars | C | **8GK9 721-0KK00** | | 1 | 1 | 039 |
| | **N/PE busbar supports** | | **8GK9 110-0KK00** | | | | |
| | **Partitions**<br>Depth 400 mm | | | | | | |
| | Versions | | | | | | |
|  8GK9 521-8KK00 | • Vertical, height 1800 mm | C | **8GK9 521-8KK00** | | 1 | 1 | 039 |
|  8GK9 520-0KK30 | • Horizontal, width 250 mm | C | **8GK9 520-0KK30** | | 1 | 1 | 039 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for modular installation devices

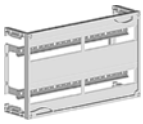


### Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 150, 300, 450, 600
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Unit(s) | Unit(s) | |
| | **Assembly kits for modular installation devices**<br>Tier spacing of 150 mm, without N/PE bar | | | | | | | | |
| | External dimensions in mm<br>Height | Width | Tiers/MW | | | | | | |
|  <br>8GK4 351-1KK12 | 150 | 250 | 1/12 | A | **8GK4 351-1KK12** | | 1 | 1 | 039 |
| | | 500 | 1/24 | A | **8GK4 351-1KK22** | | 1 | 1 | 039 |
| | | 750 | 1/36 | A | **8GK4 351-1KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-2KK12 | 300 | 250 | 2/24 | A | **8GK4 351-2KK12** | | 1 | 1 | 039 |
| | | 500 | 2/48 | A | **8GK4 351-2KK22** | | 1 | 1 | 039 |
| | | 750 | 2/72 | A | **8GK4 351-2KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-3KK12 | 450 | 250 | 3/36 | A | **8GK4 351-3KK12** | | 1 | 1 | 039 |
| | | 500 | 3/72 | A | **8GK4 351-3KK22** | | 1 | 1 | 039 |
| | | 750 | 3/108 | A | **8GK4 351-3KK32** | | 1 | 1 | 039 |
|  <br>8GK4 351-4KK12 | 600 | 250 | 4/48 | A | **8GK4 351-4KK12** | | 1 | 1 | 039 |
| | | 500 | 4/96 | A | **8GK4 351-4KK22** | | 1 | 1 | 039 |
| | | 750 | 4/144 | A | **8GK4 351-4KK32** | | 1 | 1 | 039 |

The assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.
The assembly kits with a width of 500/750 mm are equipped with 15 mm standard mounting rails.
For accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



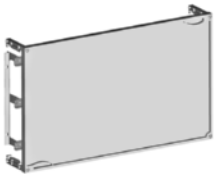
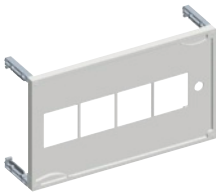


## Overview

- Assembly kits for individual and project-related assembly, comprising: equipment racks, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits, horizontal (mm):
  - Height: 150, 300, 450
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- Dimensions of assembly kits, vertical (mm):
  - Height: 300, 450, 600
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK4 401-3KK32 | **Assembly kits for horizontal terminal blocks**<br>Terminal blocks are installed on graded insulating mountings, with closed front cover | | | | | | |
| | External dimensions in mm<br>Height / Width | | | | | | |
| | 150 / 250 | A | **8GK4 401-1KK12** | | 1 | 1 | 039 |
| | 300 / 250 | A | **8GK4 401-2KK12** | | 1 | 1 | 039 |
| | 300 / 500 | A | **8GK4 401-2KK22** | | 1 | 1 | 039 |
| | 300 / 750 | A | **8GK4 401-2KK32** | | 1 | 1 | 039 |
| | 450 / 500 | A | **8GK4 401-3KK22** | | 1 | 1 | 039 |
| | 450 / 750 | A | **8GK4 401-3KK32** | | 1 | 1 | 039 |
|  8GK4 402-4KK12 | **Assembly kits for vertical terminal blocks**<br>Terminal blocks are installed on insulating mountings, with closed front cover | | | | | | |
| | External dimensions in mm<br>Height / Width | | | | | | |
| | 300 / 250 | A | **8GK4 402-2KK12** | | 1 | 1 | 039 |
| | 300 / 500 | A | **8GK4 402-2KK22** | | 1 | 1 | 039 |
| | 300 / 750 | B | **8GK4 402-2KK32** | | 1 | 1 | 039 |
| | 450 / 250 | A | **8GK4 402-3KK12** | | 1 | 1 | 039 |
| | 450 / 500 | A | **8GK4 402-3KK22** | | 1 | 1 | 039 |
| | 450 / 750 | B | **8GK4 402-3KK32** | | 1 | 1 | 039 |
| | 600 / 250 | A | **8GK4 402-4KK12** | | 1 | 1 | 039 |
| | 600 / 500 | A | **8GK4 402-4KK22** | | 1 | 1 | 039 |
| | 600 / 750 | B | **8GK4 402-4KK32** | | 1 | 1 | 039 |
|  8GK4 500-2KK20 | **Assembly kit front covers for measuring instruments** | C | **8GK4 500-2KK20** | | 1 | 1 | 039 |

For accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits with mounting plates



### Overview

- Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover including supports, mounting brackets (depth-adjustable), screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450, 600
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).
- If the fitted mounting plate extends over several panel widths, it is not possible to place a longitudinal stay in the middle.

### Selection and ordering data



8GK4 451-4KK12

**Assembly kits with mounting plates**
With closed front cover

| Assembly kit external dimensions in mm Height | Width | Mounting plate dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 250 | 245 | 207.5 | A | **8GK4 451-2KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-2KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | 395 | 207.5 | A | **8GK4 451-3KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-3KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | B | **8GK4 451-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | 545 | 207.5 | A | **8GK4 451-4KK12** | | 1 | 1 | 039 |
| | 500 | | 457.5 | A | **8GK4 451-4KK22** | | 1 | 1 | 039 |
| | 750 | | 707.5 | A | **8GK4 451-4KK32** | | 1 | 1 | 039 |



8GK9 533-0KK10

**Cabinet-high mounting plates**
- With fixing screws
- Sendzimir-galvanized sheet steel
- For mounting on longitudinal stays or rear plate
- No covers available

| External dimensions in mm Height | Width | Mounting plate dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 250 | 1680 | 242 | C | **8GK9 533-0KK10** | | 1 | 1 | 039 |
| | 500 | | 492 | C | **8GK9 533-0KK20** | | 1 | 1 | 039 |
| | 750 | | 742 | C | **8GK9 533-0KK30** | | 1 | 1 | 039 |
| | 1000 | | 992 | C | **8GK9 533-0KK40** | | 1 | 1 | 039 |
| | 1250 | | 1242 | C | **8GK9 533-0KK50** | | 1 | 1 | 039 |

For accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8GK4 assembly kits for unequipped panels

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 75, 150, 300, 450, 600, 750
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).



### Selection and ordering data


8GK4 501-4KK12

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for unequipped panels** Gray | | | | | | | |
| External dimensions in mm Height | Width | | | | | | |
| 75 | 250 | A | **8GK4 501-0KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-0KK22** | | 1 | 1 | 039 |
| 150 | 250 | A | **8GK4 501-1KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-1KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-1KK32** | | 1 | 1 | 039 |
| 300 | 250 | A | **8GK4 501-2KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-2KK32** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-3KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-3KK32** | | 1 | 1 | 039 |
| 600 | 250 | A | **8GK4 501-4KK12** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-4KK22** | | 1 | 1 | 039 |
| | 750 | A | **8GK4 501-4KK32** | | 1 | 1 | 039 |
| 750 | 250 | B | **8GK4 501-5KK12** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-5KK22** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-5KK32** | | 1 | 1 | 039 |

For accessories, see page 5/19 ff.

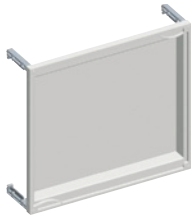
## 8GK4 assembly kits for unequipped panels with deep-drawn cover, 40 mm

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).

### Selection and ordering data


8GK4 501-3KK23

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Assembly kits for unequipped panels with deep-drawn cover, 40 mm** | | | | | | | |
| External dimensions in mm Height | Width | | | | | | |
| 300 | 250 | A | **8GK4 501-2KK13** | | 1 | 1 | 039 |
| | 500 | A | **8GK4 501-2KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-2KK33** | | 1 | 1 | 039 |
| 450 | 250 | A | **8GK4 501-3KK13** | | 1 | 1 | 039 |
| | 500 | B | **8GK4 501-3KK23** | | 1 | 1 | 039 |
| | 750 | B | **8GK4 501-3KK33** | | 1 | 1 | 039 |

For accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for mounting on support plate

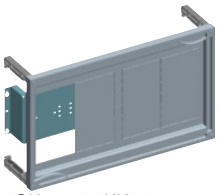


### Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).

### Selection and ordering data

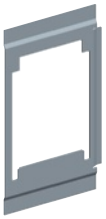


8GK4 550-2KK22

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for mounting on support plates** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 300 | 250 | A | **8GK4 550-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 300 | 500 | A | **8GK4 550-2KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143... | 450 | 250 | A | **8GK4 550-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143... | 450 | 500 | A | **8GK4 550-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153... | 450 | 250 | A | **8GK4 551-3KK12** | | 1 | 1 | 039 |
| 1 x NH3 | 1 x 3NP1 163... | 450 | 500 | A | **8GK4 551-3KK22** | | 1 | 1 | 039 |

**Accessories**



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | **8GK9 912-0KK00** | | 1 | 1 | 039 |



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| 40 mm, 5-pole | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| 60 mm, 3-pole | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |

For further accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# 8GK4 assembly kits for 3NP LV HRC fuse switch disconnectors for busbar mounting



## Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, molded-plastic cover, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).
- The Cu busbar and busbar supports must be ordered separately (see page 5/19).

## Selection and ordering data

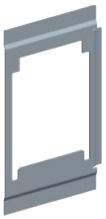


8GK4 650-2KK12

**Assembly kits for 3NP1 LV HRC fuse switch disconnectors, for busbar mounting** NEW

| Assembly kits | LV HRC fuse switch disconnectors | Height in mm | Width in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 300 | 250 | A | **8GK4 650-2KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 300 | 500 | A | **8GK4 650-2KK22** | | 1 | 1 | 039 |
| 2 X NH00/000 | 2 x 3NP1 123... / 3NP1 133... | 450 | 250 | A | **8GK4 650-3KK12** | | 1 | 1 | 039 |
| 4 X NH00/000 | 4 x 3NP1 123... / 3NP1 133... | 450 | 500 | A | **8GK4 650-3KK22** | | 1 | 1 | 039 |
| 1 x NH1 | 1 x 3NP1 143... | 450 | 250 | A | **8GK4 651-3KK12** | | 1 | 1 | 039 |
| 2 x NH1 | 2 x 3NP1 143... | 450 | 500 | A | **8GK4 651-3KK22** | | 1 | 1 | 039 |
| 1 x NH2 | 1 x 3NP1 153... | 450 | 250 | A | **8GK4 652-3KK12** | | 1 | 1 | 039 |

### Accessories



8GK9 912-0KK00

**Covers, 3NP1 123... NH000** NEW — A — **8GK9 912-0KK00** — PU 1 — PS* 1 — PG 039



8GK9 650-0KK00

**Busbar supports** NEW

| Versions | DT | Order No. | PU | PS* | PG |
|---|---|---|---|---|---|
| 40 mm, 5-pole | A | **8GK9 650-0KK00** | 1 | 1 | 039 |
| 60 mm, 3-pole | A | **8GK9 711-0KK03** | 1 | 1 | 039 |

For further accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4/8GE3 assembly kits for SENTRON VL circuit breakers

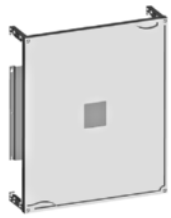
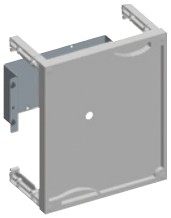


### Overview

- Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450, 600, 750
  - Width: 250, 500
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).

### Selection and ordering data

| | Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Assembly kits for SENTRON VL circuit breakers** | | | | | | | | |
| | Versions | | | | | | | | |
|  8GK4 704-4KK13 | • 3- and 4-pole | | | | | | | | |
| | - 1 × VL160/VL160X | 300 | 250 | A | **8GK4 701-2KK12** | | 1 | 1 | 039 |
| | - 1 × VL160X, 1 × VL160, 1 × VL250 | 450 | 250 | A | **8GK4 701-3KK12** | | 1 | 1 | 039 |
| | - 1 × VL400 | 600 | 250 | A | **8GK4 702-4KK12** | | 1 | 1 | 039 |
| | • 3-pole | | | | | | | | |
| | - 1 × VL630 | 600 | 250 | A | **8GK4 703-4KK13** | | 1 | 1 | 039 |
| | • 3- and 4-pole | | | | | | | | |
| | - 1 × VL630 | 600 | 500 | A | **8GK4 704-4KK13** | | 1 | 1 | 039 |
| | - 1 × VL1250/1600 | 600 | 500 | A | **8GK4 705-4KK25** | | 1 | 1 | 039 |
|  8GK4 721-3KK10 | • For installation with mounted RCD module | | | | | | | | |
| | - 1 × VL160X + RCD | 450 | 250 | A | **8GK4 720-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL160/VL250 + RCD | 450 | 250 | A | **8GK4 721-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL400 + RCD | 750 | 250 | A | **8GK4 720-5KK10** | | 1 | 1 | 039 |
|  8GK4 722-3KK10 | • For installation with front-operated rotary operating mechanism | | | | | | | | |
| | - 1 × VL160X/VL160/VL250 | 450 | 250 | A | **8GK4 722-3KK10** | | 1 | 1 | 039 |
| | - 1 × VL400 | 600 | 250 | A | **8GK4 722-4KK10** | | 1 | 1 | 039 |
| | - 1 × VL630 3-pole | 600 | 250 | A | **8GK4 723-4KK10** | | 1 | 1 | 039 |
| | - 1 × VL630 4-pole | 600 | 500 | A | **8GK4 721-4KK20** | | 1 | 1 | 039 |
| | **Assembly kits for 3KA switch disconnectors on support plate** | | | | | | | | |
|  8GK4 707-3KK17 | Type | Height in mm | Width in mm | | | | | | |
| | • 1 x 3KA 50/51/52/53 | 300 | 250 | C | **8GK4 707-3KK17** | | 1 | 1 | 039 |
| | • 1 x 3KA 55/57/58 | 300 | 500 | C | **8GK4 707-4KK27** | | 1 | 1 | 039 |

For accessories, see page 5/19 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8GK4 assembly kits for 3NJ4 in-line fuse switch disconnectors

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover for unequipped panels including supports, busbar supports on support plate, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 600, 750
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).
- The Cu busbar must be ordered separately!
- Caution: Max. rated current of 630 A!
- The assembly kits for sizes 1-3 require a mounting depth of 320 mm.
- If the assembly kits are fully equipped, an incoming feeder bay is required.
- If mounting the in-line fuse switch-disconnectors with 3NJ4 911-3AA00 busbar terminals, the assembly kits cannot be fully equipped!

### Selection and ordering data

| | Version | External dimensions in mm Height | Width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Assembly kits for 3NJ4 in-line fuse switch disconnectors** | | | | | | | | |
| | Versions | | | | | | | | |
|  8GK4 751-4KK33 | • Busbar center-to-center clearance of 100 mm, with busbar support | | | | | | | | |
| | - 4 × 3NJ4, size 00 | 600 | 250 | A | **8GK4 751-4KK13** | | 1 | 1 | 039 |
| | - 9 × 3NJ4, size 00 | 600 | 500 | A | **8GK4 751-4KK23** | | 1 | 1 | 039 |
| | - 14 × 3NJ4, size 00 | 600 | 750 | A | **8GK4 751-4KK33** | | 1 | 1 | 039 |
|  8GK4 752-5KK35 | • Busbar center-to-center clearance of 185 mm, with busbar support | | | | | | | | |
| | - 2 × 3NJ4, size 1-3 | 750 | 250 | A | **8GK4 752-5KK15** | | 1 | 1 | 039 |
| | - 4 × 3NJ4, size 1-3 | 750 | 500 | A | **8GK4 752-5KK25** | | 1 | 1 | 039 |
| | - 7 × 3NJ4, size 1-3 | 750 | 750 | A | **8GK4 752-5KK35** | | 1 | 1 | 039 |
|  3NJ4 912-2AA00 | **Blanking covers** NEW | | | | | | | | |
| | Type | Width in mm | | | | | | | |
| | • For switchboard cutout | 50 | | A | **3NJ4 912-2AA00** | | 1 | 1 | 143 |
| | • For size 1 to 3 switch disconnectors | 100 | | A | **3NJ4 912-2BA00** | | 1 | 1 | 143 |
| | • For 3NJ4 410-3 | 50 | | A | **3NJ4 912-2CA00** | | 1 | 1 | 143 |

For accessories, see page 5/19 ff.

## 8GK4 assembly kits for bus-mounting fuse bases, for mounting on busbar systems

### Overview

- Assembly kits for individual and project-related assembly, comprising: front cover including supports, busbar supports for bus-mounting fuse bases, screws and mounting accessories
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).
- The Cu busbar must be ordered separately (see page 5/19).

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GK4 assembly kits for bus-mounting fuse bases for mounting on busbar systems

### Selection and ordering data



8GK4 801-3KK12

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Assembly kits for bus-mounting fuse bases, for mounting on busbar systems**<br>• 3-pole<br>• Busbar center-to-center clearance 60 mm<br>• 7 x NEOZED D02 | | | | | | |
| External dimensions in mm<br>Height / Width | | | | | | |
| 300 / 250 | A | **8GK4 801-2KK12** | | 1 | 1 | 039 |
| 450 / 250 | A | **8GK4 801-3KK12** | | 1 | 1 | 039 |
| Note | | | | | | |
| Two busbar supports are included in the assembly kit | | | | | | |

For accessories, see page 5/19 ff.

## 8GK4 assembly kits for SR60 busbar system, 60 mm

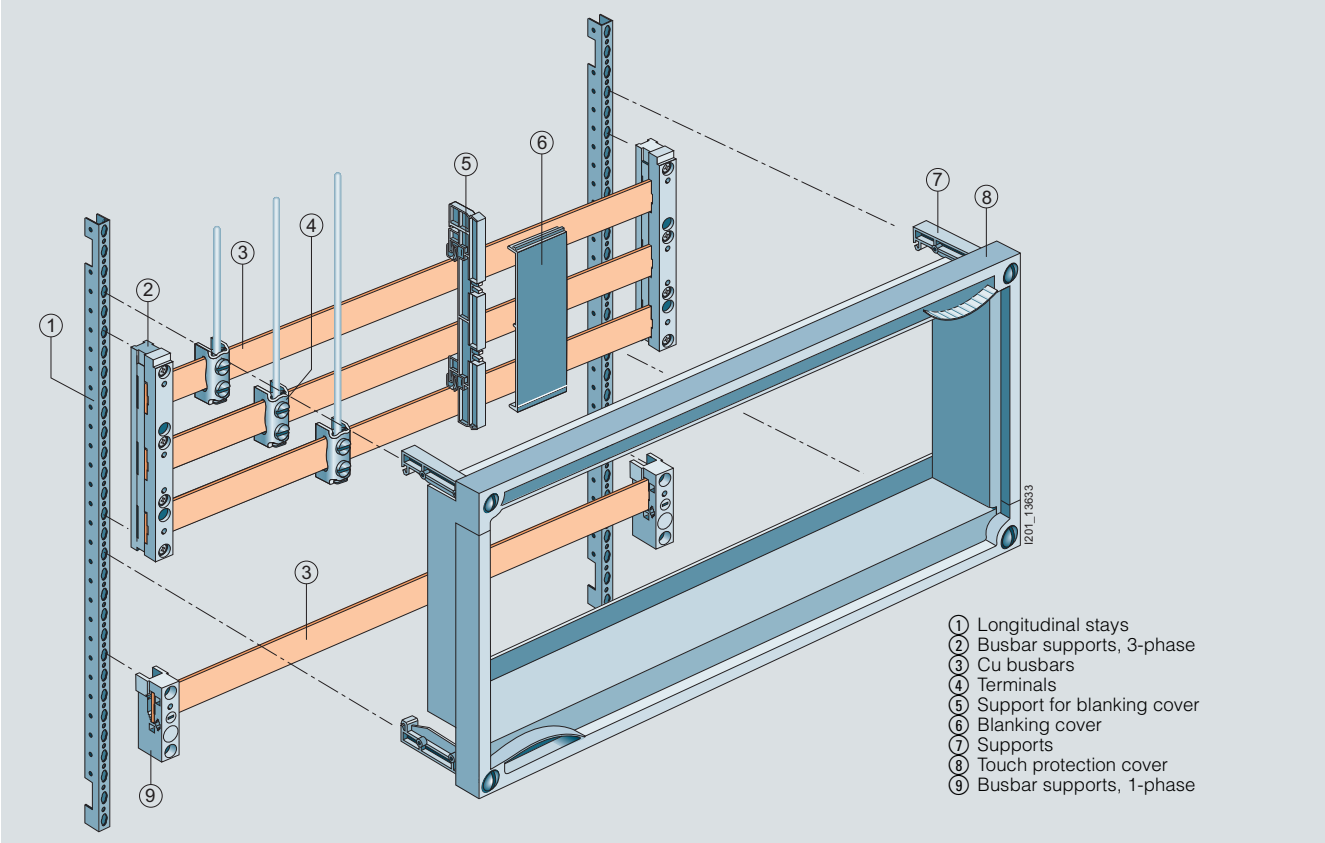
### Overview

- Assembly kits for individual and project-related assembly, comprising: deep-drawn front cover with supports
- Dimensions of assembly kits (mm):
  - Height: 300, 450
  - Width: 250, 500, 750
  - Panel-size grid dimensions H × W: 150 × 250
- The front cover is sealable as standard and the quick-acting locking technique facilitates fast and reliable mounting on the supports

Note:

- To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).
- The Cu busbar and busbar supports must be ordered separately (see page 5/19).

### Design




Distribution board components

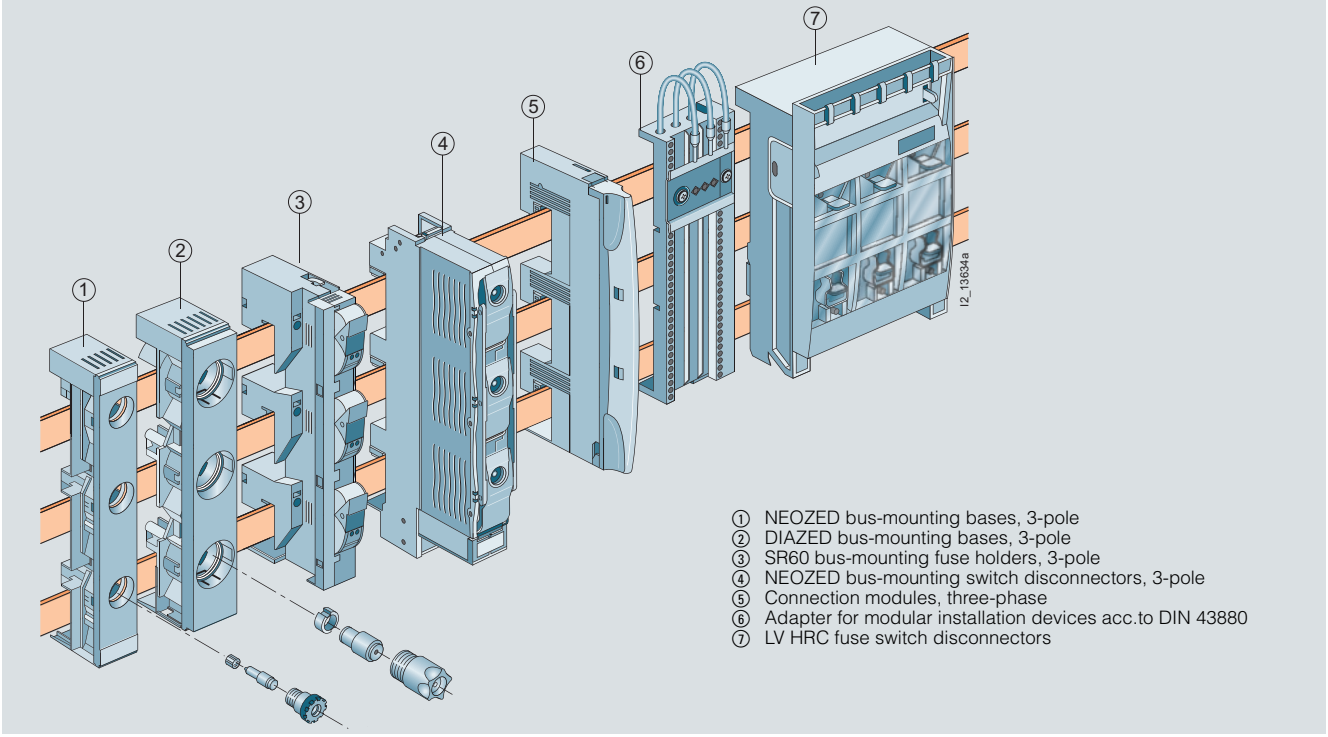
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



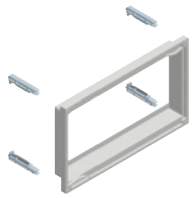
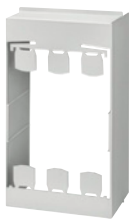
## 8GK4 assembly kits for SR60 busbar systems, 60 mm






Built-in components

### Selection and ordering data

| | Version | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Unit(s) | Unit(s) | |
|  8GK4 801-2KK13 | **Assembly kits for SR60 busbar systems, 60 mm**<br>Busbar center-to-center clearance of 60 mm | | | | | | | |
| | External dimensions in mm<br>Height | Width | | | | | | |
| | 300 | 250 | A | **8GK4 801-2KK13** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 801-2KK23** | | 1 | 1 | 039 |
| | | 750 | A | **8GK4 801-2KK33** | | 1 | 1 | 039 |
| | 450 | 250 | A | **8GK4 801-3KK13** | | 1 | 1 | 039 |
| | | 500 | A | **8GK4 801-3KK23** | | 1 | 1 | 039 |
| | | 750 | A | **8GK4 801-3KK33** | | 1 | 1 | 039 |
| | Note | | | | | | | |
| | Caution: Busbar supports (8GK9 711-0KK03) not included in delivery | | | | | | | |
|  3NY7 600 | **Shrouding covers, for 3NP4 076 switch disconnectors** | | B | **3NY7 600** | | 1 | 1 | 103 |
|  5SH3 536 | **Supports for blanking covers** | | B | **5SH3 536** | | 1 | 4/160 | 016 |
| | **Blanking covers** | | A | **5SH3 537** | | 1 | 2 | 016 |

For accessories, see page 5/19 ff.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Assembly Kits for Unequipped Distribution Boards

## 8GE assembly kits for meter mounting

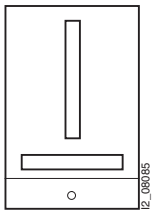
### Overview

- Assembly kits for individual and project-related assembly, not standardized, only for internal measurements, comprising: meter support plate with all-round partitions, screws and mounting accessories
- Dimensions of assembly kits (H x W): 450 mm × 250 mm
- Panel-size grid dimensions (H × W): 150 mm × 250 mm

Note: To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 5/4).



### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GE3 713-4 | **Assembly kits for meter mounting**<br>• For meter mounting (not standardized, 375 mm)<br>• Height 450 mm<br>• Width 250 mm | B | **8GE3 713-4** | | 1 | 1 | 042 |

For accessories, see page 5/19 ff.

# Accessories

## Unequipped distribution boards

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Cabinet mounting lugs, flat** | | | | | | |
| | Versions | | | | | | |
| | • For mounting and fixing the distribution boards directly against the wall without spacing (1 set = 4 lugs incl. screws) | A | **8GK9 910-0KK36** | | 1 set | 5 sets | 039 |
| | • For connecting two distribution boards and for mounting and fixing the distribution boards directly against the wall without spacing, (8GK9 910-0KK36 also required for the ends of a row of distribution boards) (1 set = 2 lugs incl. screws) | A | **8GK9 910-0KK37** | | 1 set | 1 set | 039 |
|  8GK9 100-0KK00 | **Flanges**<br>For fast and correct wiring | | | | | | |
| | Versions | | | | | | |
| | • 1-component flanges (for IP43 distribution boards, installed on bottom panel)<br>- For bottom cable entry, with 11 possible knockouts<br>- Max. ∅ 50.5 mm, made of plastic | A | **8GK9 100-0KK00** | | 1 | 1 | 039 |
|  8GK9 100-0KK02 | • 2-component flanges (degree of protection: IP55)<br>- For top/bottom cable entry<br>- With 44 possible knockouts<br>- Comprising 2 elastic components | A | **8GK9 100-0KK01** | | 1 | 1 | 039 |
|  8GK9 100-0KK10 | • Flange plates: sheet steel (only safety class 1)<br>- For metric screw connections, degree of protection: IP43<br>- For metric screw connections, degree of protection: IP55 | A<br>A | **8GK9 100-0KK02**<br>**8GK9 100-0KK03** | | 1<br>1 | 1<br>1 | 039<br>039 |
| | • Connecting flanges | A | **8GK9 100-0KK10** | | 1 | 1 | 039 |
|  8GK9 100-0KK04 | **Flange plates**<br>• Degree of protection IP55<br>• Safety class 1 | C | **8GK9 100-0KK04** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010





| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Paint sticks**<br>• Color RAL 7035 (light gray)<br>• 12 g | A | **8GK9 910-0KK16** | | 1 | 1 | 039 |
| | **Paint spray cans**<br>• Color RAL 7035 (light gray)<br>• 400 ml | C | **8GK9 910-0KK18** | | 1 | 1 | 039 |
|  <br>8GK9 902-0KK13 | **Bases**[1]<br>External height: 100 mm | | | | | | |
| | External dimensions in mm<br>Depth / Width | | | | | | |
| | 400 / 300 | C | **8GK9 902-0KK13** | | 1 | 1 | 039 |
| | 400 / 550 | C | **8GK9 902-0KK23** | | 1 | 1 | 039 |
| | 400 / 800 | C | **8GK9 902-0KK33** | | 1 | 1 | 039 |
| | 400 / 1050 | C | **8GK9 902-0KK43** | | 1 | 1 | 039 |
| | 400 / 1300 | C | **8GK9 902-0KK53** | | 1 | 1 | 039 |
| | Footnote | | | | | | |
| | [1] Further base heights, e.g. 30 mm, are available on request. | | | | | | |
| | **Locking systems** | | | | | | |
| | Versions | | | | | | |
|  <br>8GK9 561-0KK01 | • Rotary handles<br>- Can be recessed, with pushbutton technique | A | **8GK9 561-0KK01** | | 1 | 1 | 039 |
|  <br>8GK9 561-0KK02 | • Lock inserts<br>- For installation of profile semicylinders | A | **8GK9 561-0KK02** | | 1 | 1 | 039 |
|  <br>8GK9 561-0KK00 | • Profile semicylinders, 40 mm, with E012 lock and 2 keys<br>- With insert for the rotary handle<br>- Only to be used together with the lock insert (this must be ordered separately) | A | **8GK9 561-0KK00** | | 1 | 1 | 039 |
| | • Profile semicylinders with Senat tumbler | C | **8GK9 560-0KK03** | | 1 | 1 | 039 |
|  <br>8GK9 911-0KK10 | **Cable clamping rails**<br>• For strain relief<br>• C-profile 30 mm x 15 mm | | | | | | |
| | Width in mm | | | | | | |
| | • 250 | A | **8GK9 911-0KK10** | | 1 | 1 | 039 |
| | • 500 | A | **8GK9 911-0KK20** | | 1 | 1 | 039 |
| | • 750 | A | **8GK9 911-0KK30** | | 1 | 1 | 039 |
| | • 1000 | A | **8GK9 911-0KK40** | | 1 | 1 | 039 |
| | • 1250 | A | **8GK9 911-0KK50** | | 1 | 1 | 039 |
|  <br>8GK9 910-0KK22 | **Circuit diagram pockets** | | | | | | |
| | Versions | | | | | | |
| | • DIN A 3, made of sheet steel, depth 10 mm | A | **8GK9 910-0KK22** | | 1 | 1 | 039 |
| | • DIN A 4, transparent sleeve | A | **8GK9 910-0KK23** | | 1 | 20 | 039 |
| | • DIN A 4, made of plastic, depth 30 mm | A | **8GD9 132** | | 1 | 1 | 042 |
| SIEMENS<br>8GD9 084 | **Siemens nameplates**<br>Made of aluminum, self-adhesive, petrol | A | **8GD9 084** | | 1 | 1 | 042 |

* You can order this quantity or a multiple thereof.

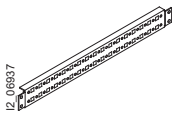
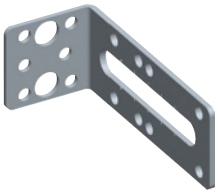
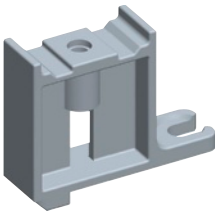
© Siemens AG 2010



# Accessories

## Unequipped distribution boards



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK4 853-0KK20 | **Cross arms** | | | | | | |
| | Width in mm | | | | | | |
| | • 500 | C | **8GK4 853-0KK20** | | 1 | 2 | 039 |
| | • 750 | C | **8GK4 853-0KK30** | | 1 | 2 | 039 |
|  8GK9 913-0KK30 | **Masking frames**<br>• Sheet steel<br>• For recessed installation of stays<br>• Height 1800 mm | | | | | | |
| | Width in mm | | | | | | |
| | • 250 | C | **8GK9 913-0KK10** | | 1 | 1 | 039 |
| | • 500 | C | **8GK9 913-0KK20** | | 1 | 1 | 039 |
| | • 750 | C | **8GK9 913-0KK30** | | 1 | 1 | 039 |
| | • 1000 | C | **8GK9 913-0KK40** | | 1 | 1 | 039 |
| | • 1250 | C | **8GK9 913-0KK50** | | 1 | 1 | 039 |
|  8GK9 520-0KK30 | **Partitions**<br>• Sheet steel<br>• For mounting depth 400 mm | | | | | | |
| | Versions | | | | | | |
| | • Vertical<br>- Height 1800 mm | C | **8GK9 521-8KK00** | | 1 | 1 | 039 |
| | • Horizontal<br>- Width 250 mm | C | **8GK9 520-0KK30** | | 1 | 1 | 039 |
| | **Screws**<br>• Self-tapping<br>• M5 x 10<br>• Large pack: 500 units | C | **8GK9 911-0KK00** | | 1 | 500 | 039 |
|  8GK9 911-0KK01 | **Extra-deep brackets**<br>• Depth-adjustable<br>• Large pack: 10 units | C | **8GK9 911-0KK01** | | 1 | 10 | 039 |
|  8GK9 911-0KK02 | **Drop-down brackets, universal**<br>• Large pack: 10 units | C | **8GK9 911-0KK02** | | 1 | 10 | 039 |
| | **Support extensions**<br>• 7.5 mm<br>• Large pack: 100 units | C | **8GK9 911-0KK03** | | 1 | 100 | 039 |
|  8GK9 911-0KK05 | **Iso supports**<br>• For insulated standard mounting rail assembly<br>• Large pack: 50 units | | | | | | |
| | Versions | | | | | | |
| | • 12 mm | C | **8GK9 911-0KK04** | | 1 | 50 | 039 |
| | • 31.5 mm | C | **8GK9 911-0KK05** | | 1 | 50 | 039 |
| | • 55.5 mm | C | **8GK9 911-0KK06** | | 1 | 50 | 039 |
| | **Ventilation panels** NEW | A | **8GK9 120-0KK30** | | 1 | 4 | 038 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 650-0KK00 | **Busbar supports**<br>With matching support plate | | | | | | |
| | Versions | | | | | | |
| | • 1-pole<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm | A | **5SH3 540** | | 1 | 1 | 016 |
| | • 5-pole<br>- Busbar center-to-center clearance of 40 mm<br>- For Cu busbars 12 × 5 (10) mm and for mounting 3NP fuse switch disconnectors<br>- Height 300 mm | A | **8GK9 650-0KK00** | | 1 | 1 | 039 |
| | • 3-pole<br>- Busbar center-to-center clearance of 60 mm<br>- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm<br>- For bus-mounting fuse bases and switch disconnectors, used together with assembly kits (mounting directly on the stays) | A | **8GK9 711-0KK03** | | 1 | 1 | 039 |
| | **Cu busbars** | | | | | | |
| | Versions | | | | | | |
| | • Cu cross-section of 12 × 5 mm, 250 A | | | | | | |
| | - Length 250 | A | **8GK9 731-0KK10** | | 1 | 5 | 039 |
| | - Length 500 | A | **8GK9 731-0KK20** | | 1 | 5 | 039 |
| | - Length 750 | A | **8GK9 731-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 | A | **8GK9 731-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 | A | **8GK9 731-0KK50** | | 1 | 5 | 039 |
| | • Cu cross-section of 20 × 5 mm, 320 A | | | | | | |
| | - Length 250 | A | **8GK9 733-0KK10** | | 1 | 5 | 039 |
| | - Length 500 | A | **8GK9 733-0KK20** | | 1 | 5 | 039 |
| | - Length 750 | A | **8GK9 733-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 | A | **8GK9 733-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 | A | **8GK9 733-0KK50** | | 1 | 5 | 039 |
| | • Cu cross-section of 30 × 5 mm, 450 A | | | | | | |
| | - Length 250 | A | **8GK9 735-0KK10** | | 1 | 5 | 039 |
| | - Length 500 | A | **8GK9 735-0KK20** | | 1 | 5 | 039 |
| | - Length 750 | A | **8GK9 735-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 | A | **8GK9 735-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 | A | **8GK9 735-0KK50** | | 1 | 5 | 039 |
| | • Cu cross-section of 30 × 10 mm, 630 A | | | | | | |
| | - Length 250 | A | **8GK9 736-0KK10** | | 1 | 5 | 039 |
| | - Length 500 | A | **8GK9 736-0KK20** | | 1 | 5 | 039 |
| | - Length 750 | A | **8GK9 736-0KK30** | | 1 | 5 | 039 |
| | - Length 1000 | A | **8GK9 736-0KK40** | | 1 | 5 | 039 |
| | - Length 1250 | A | **8GK9 736-0KK50** | | 1 | 5 | 039 |
|  8GK9 910-0KK30 | **Supports for front cover**<br>• Long version<br>• Material: plastic<br>• 1 set = 4 supports | A | **8GK9 910-0KK30** | | 1 set | 5 sets | 039 |
|  8GK9 910-0KK10 | **N/PE bars**<br>• For mounting on longitudinal stays<br>• With 2 x 29 clamping points<br>• 16 mm$^2$<br>• Length 250 mm | A | **8GK9 910-0KK10** | | 1 | 1 | 039 |
|  8GK9 910-0KK11 | **N/PE bars as plug-in terminals** | | | | | | |
| | Versions | | | | | | |
| | • Each with 6 screw terminals from 2.5 ... 16 mm$^2$ and 21 plug-in terminals from 1.5 ... 4 mm$^2$ for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK11** | | 1 | 1 | 039 |
| | • With 6 screw terminals from 2.5 ... 16 mm$^2$ and 21 plug-in terminals from 1.5 ... 4 mm$^2$ for PE bar and one N bar each with 2 screw terminals from 2.5 ... 16 mm$^2$ and 10 plug-in terminals from 1.5 ... 4 mm$^2$ for mounting on longitudinal stays at a 30° inclination | A | **8GK9 910-0KK12** | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

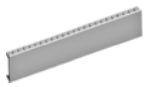
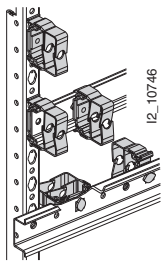
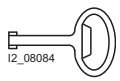
© Siemens AG 2010



# Accessories

## Assembly kits



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8US19 21-2AA00 | **Terminal blocks for circular conductors** | | | | | | |
| | Versions | | | | | | |
| | • Busbar thickness of 5 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2AA00** | | 100 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2AB00** | | 100 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2AD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2AC00** | | 1 | 50 | 143 |
| | • Busbar thickness of 10 mm | | | | | | |
| | - Conductor cross-section 1.5 ... 16 mm² | ▶ | **8US1 921-2BA00** | | 1 | 100 | 143 |
| | - Conductor cross-section 1.5 ... 35 mm² | ▶ | **8US1 921-2BB00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 70 mm² | ▶ | **8US1 921-2BD00** | | 1 | 50 | 143 |
| | - Conductor cross-section 16 ... 120 mm² | ▶ | **8US1 921-2BC00** | | 1 | 50 | 143 |
|  8GK9 920-0KK24 | **Replacement door hinges**<br>• For wall/floor-mounted distribution boards<br>• 1 set = 2 hinges | A | **8GK9 920-0KK24** | | 1 set | 1 set | 038 |
| | **Partitions (for depth 210 mm)**<br>• For the visual and spatial separation of different potentials<br>• Material: plastic<br>• For mounting depth 210 mm | | | | | | |
| | Versions | | | | | | |
|  8GK9 301-2KK01 | • Vertical | | | | | | |
| | - Height 300 mm | A | **8GK9 301-2KK01** | | 1 | 1 | 039 |
| | - Height 450 mm | A | **8GK9 301-3KK01** | | 1 | 1 | 039 |
| | - Height 600 mm | A | **8GK9 101-4KK01** | | 1 | 1 | 039 |
| | - Height 750 mm | A | **8GK9 101-5KK01** | | 1 | 1 | 039 |
| | - Height 900 mm | A | **8GK9 101-6KK01** | | 1 | 1 | 039 |
| | - Height 1050 mm | A | **8GK9 101-7KK01** | | 1 | 1 | 039 |
| | - Height 1200 mm | A | **8GK9 101-8KK01** | | 1 | 1 | 039 |
| | - Height 1350 mm | A | **8GK9 102-8KK01** | | 1 | 1 | 039 |
|  8GK9 103-0KK10 | • Horizontal | | | | | | |
| | - Width 250 mm | A | **8GK9 103-0KK10** | | 1 | 1 | 039 |
| | - Width 500 mm | A | **8GK9 103-0KK20** | | 1 | 1 | 039 |
| | - Width 750 mm | A | **8GK9 103-0KK30** | | 1 | 1 | 039 |
|  8GK9 910-0KK00 | **Blanking strips**<br>Color RAL 7035 (light gray) | | | | | | |
| | Versions | | | | | | |
| | • For 12 MW (1 MW = 18 mm) | A | **8GK9 910-0KK00** | | 1 | 10 | 039 |
| | • Length 1 m,<br>without pressure-relief joint, to cut to length | A | **8GK9 910-0KK01** | | 1 | 1 | 039 |
| | **Connecting kits, IP43/IP55**<br>• For side-by-side mounting of enclosures<br>• Comprising:<br>- Screws<br>- Washers<br>- Nuts<br>- 10 m of sealing strip roll | A | **8GK9 920-0KK31** | | 1 | 1 | 039 |
|   8GK9 910-0KK80 | **Cable holders**<br>For standard mounting rails | ▶ | **8GK9 910-0KK80** | | 1 | 200 | 039 |
|   8GD9 290 | **Spare keys**<br>For double-bit locking mechanism | A | **8GD9 290** | | 1 | 1 | 042 |
|  8GK9 910-0KK34 | **Extra-deep brackets**<br>• For recessed installation of standard mounting rails | A | **8GK9 910-0KK34** | | 1 set | 1 set | 039 |
|  8GK9 910-0KK26 | **Quick-lock screws**<br>• Material: plastic<br>• Color: RAL 7035 | A | **8GK9 910-0KK26** | | 1 | 20 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Assembly kits

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GK9 910-0KK27 | **Assembly tools**<br>• For supports<br>• Short and long version<br>• With ergonomic handle | A | **8GK9 910-0KK27** | | 1 | 1 | 039 |
|  8GK9 910-0KK35 | **Standard mounting rails, lowered** | | | | | | |
| | Width | | | | | | |
| | • 250 mm | A | **8GK9 910-0KK35** | | 1 | 1 | 039 |
| | • 500 mm NEW | C | **8GK9 910-0KK40** | | 1 set | 1 set | 039 |
| | • 750 mm NEW | C | **8GK9 910-0KK41** | | 1 set | 1 set | 039 |

5

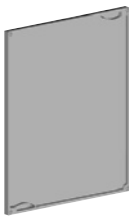
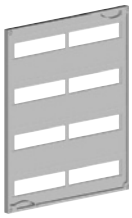
# Accessories - Ordering Large Quantities

## Front covers

### Overview

- Front covers in large order quantities (Big Pack)
- Dimensions of front covers, closed (mm):
  - Height: 75, 150, 300, 450, 600
  - Width: 250, 500, 750
- Dimensions of front covers, with cutout (mm):
  - Height: 150, 300, 450, 600
  - Width: 250, 500, 750
  - Tier spacing: 150

### Selection and ordering data

| | Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
|  8GK9 601-4KK10 | **Front covers, closed** | | | | | | | |
| | External dimensions in mm<br>Height | Width | | | | | | |
| | 75 | 250 | C | **8GK9 601-0KK10** | | 1 | 10 | 039 |
| | 150 | 250 | A | **8GK9 601-1KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-1KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-1KK30** | | 1 | 10 | 039 |
| | 300 | 250 | A | **8GK9 601-2KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-2KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-2KK30** | | 1 | 10 | 039 |
| | 450 | 250 | A | **8GK9 601-3KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-3KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-3KK30** | | 1 | 10 | 039 |
| | 600 | 250 | A | **8GK9 601-4KK10** | | 1 | 10 | 039 |
| | | 500 | A | **8GK9 601-4KK20** | | 1 | 10 | 039 |
| | | 750 | A | **8GK9 601-4KK30** | | 1 | 10 | 039 |
|  8GK9 601-4KK11 | **Front covers, with cutout** | | | | | | | |
| | External dimensions in mm<br>Height | Width | Tiers/MW | | | | | |
| | 150 | 250 | 1/12 | A | **8GK9 601-1KK11** | | 1 | 10 | 039 |
| | | 500 | 1/24 | A | **8GK9 601-1KK21** | | 1 | 10 | 039 |
| | | 750 | 1/36 | A | **8GK9 601-1KK31** | | 1 | 10 | 039 |
| | 300 | 250 | 2/24 | A | **8GK9 601-2KK11** | | 1 | 10 | 039 |
| | | 500 | 2/48 | A | **8GK9 601-2KK21** | | 1 | 10 | 039 |
| | | 750 | 2/72 | A | **8GK9 601-2KK31** | | 1 | 10 | 039 |
| | 450 | 250 | 3/36 | A | **8GK9 601-3KK11** | | 1 | 10 | 039 |
| | | 500 | 3/72 | A | **8GK9 601-3KK21** | | 1 | 10 | 039 |
| | | 750 | 3/108 | A | **8GK9 601-3KK31** | | 1 | 10 | 039 |
| | 600 | 250 | 4/48 | A | **8GK9 601-4KK11** | | 1 | 10 | 039 |
| | | 500 | 4/96 | A | **8GK9 601-4KK21** | | 1 | 10 | 039 |
| | | 750 | 4/144 | A | **8GK9 601-4KK31** | | 1 | 10 | 039 |

*** You can order this quantity or a multiple thereof.**

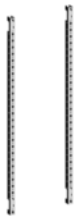
© Siemens AG 2010



# Accessories - Ordering Large Quantities

## Assembly kits

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  <br>8GK9 910-0KK31 | **Supports for front cover**<br>Material: plastic | | | | | | |
| | Versions | | | | | | |
| | • Long version | A | **8GK9 910-0KK31** | | 1 | 100 | 039 |
| | • Short version | A | **8GK9 910-0KK24** | | 1 | 100 | 039 |
|  <br>8GK9 910-1KK10 | **Standard mounting rails 15 mm** | | | | | | |
| | Width in mm | | | | | | |
| | • 250 | A | **8GK9 910-1KK10** | | 1 | 10 | 039 |
| | • 500 | A | **8GK9 910-1KK20** | | 1 | 10 | 039 |
| | • 750 | A | **8GK9 910-1KK30** | | 1 | 10 | 039 |
| | • 1000 | A | **8GK9 910-1KK40** | | 1 | 10 | 039 |
| | • 1250 | A | **8GK9 910-1KK50** | | 1 | 10 | 039 |
|  <br>8GK9 910-1KK84 | **Standard mounting rail holders**<br>• For standard mounting rail, 15 mm and supports<br>• Long version<br>• Comprising 1 left and 1 right holder<br>• 1 set = 20 holders, 10 × left, 10 × right | | | | | | |
| | Versions | | | | | | |
| | • For 1 standard mounting rail | A | **8GK9 910-1KK81** | | 1 set | 1 set | 039 |
| | • For 2 standard mounting rails | A | **8GK9 910-1KK83** | | 1 set | 1 set | 039 |
| | • For 3 standard mounting rails | A | **8GK9 910-1KK84** | | 1 set | 1 set | 039 |
| | • For 4 standard mounting rails | A | **8GK9 910-1KK85** | | 1 set | 1 set | 039 |
|  <br>8GK4 853-8KK01 | **Spare stays for older floor-mounted distribution boards**<br>• To mount the assembly kits in unequipped distribution boards, two longitudinal stays are required for each assembly kit width<br>• Height 1800 mm, depth 250/320 mm<br>• 1 set = 2 stays | A | **8GK4 853-8KK01** | | 1 set | 1 set | 039 |
| | Note | | | | | | |
| | These stays cannot be used with the new 8GK4 853-8KK01 floor-mounted distribution boards. | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA 400-ZS Meter Cabinets

6




6/2 Introduction

6/4 System overview

6/6 Unequipped distribution boards

6/8 Distribution board panels

6/9 Distribution board panels with S system

6/9 Quick-assembly kits for telecommunications

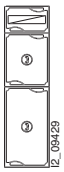
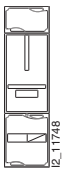
6/10 Quick-assembly kits without wiring kits

© Siemens AG 2010



## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
|  | Unequipped distribution boards | 6/6 | Totally insulated empty enclosures for flush and surface mounting, which can be equipped with counters, distribution boards and telecommunications panels. |
|  | Distribution board panels | 6/8 | Cabinet-high quick-assembly kits with standard mounting rails and tier spacing of 125 mm. Including N/PE bar. |
|  | Distribution board panels with S system | 6/9 | Cabinet-high quick-assembly kits with standard mounting rails and tier spacing of 125 mm. Including N/PE bar. Lower connection compartment with busbar system 4- or 5-pole. |
|  | Quick-assembly kits, for telecommunications | 6/9 | Cabinet-high quick-assembly kits with perforated steel plate for the mounting of multimedia components, complete with captive nuts. |
|  | Quick-assembly kits, without wiring kits | 6/10 | Counter and reserve fields with standard mounting rail in the lower connection compartment, without wiring kits. Sections for tariff switching devices, including backup fuse and short-circuit-proof cable. |

The new Siemens ALPHA 400-ZS meter cabinets are designed for universal applications in residential and non-residential buildings. Based on the ALPHA 400-DIN wall-mounted distribution boards, we have designed a modular system that meets all the current technical supply conditions of the public utilities as well as offering a wide variety of options with regard to enclosures, delivery form, degree of protection and equipment.

Special emphasis was placed on the different regional requirements of the distribution network providers (DNP) and their different methods of installation.

The system comprises pre-assembled unequipped distribution boards for both surface mounting and flush mounting, cabinet-high quick-assembly kits for ultra fast equipping and wiring, and a comprehensive range of accessories.

The clear, modular design of the board enables the easy planning, calculation, ordering, delivering, transportation, equipping and mounting of components and complete cabinets.

The ALPHA SELECT software helps installation technicians, planners and electric wholesalers to quickly plan and determine prices for distribution boards and meter cabinets. Once you have specified location, zip code and the relevant DNP, you will be offered a suitable assortment of complete meter cabinets and mounting examples to suit your requirements. In addition, you can also plan your own customized combinations of unequipped distribution boards and quick-assembly kits.

### Benefits

- Planning is in accordance with the current TAB and respective DNP requirements
- Short assembly times
- Low stock levels

### Application

ALPHA 400-ZS meter cabinets are used everywhere where electric energy is fed in, measured and distributed.

Meter cabinets and components are of modular design to ensure that only a few standard components are required to create a wide variety of project-related installation and equipping options.

In addition to the standard meter cabinets in degrees of protection IP31 and IP43, the system also offers meter cabinets for damp rooms in degree of protection IP55.

### Design

The modular meter cabinets of the ALPHA 400-ZS series comprise the following system components: unequipped distribution boards in 4 heights and 5 widths, quick-assembly kits in 3 different widths, and accessories.

The universal system concept and the combination options offered by the ALPHA 400-DIN distribution board ensure that there are a wide variety of options for the planning and configuration of larger meter and distribution cabinet systems.

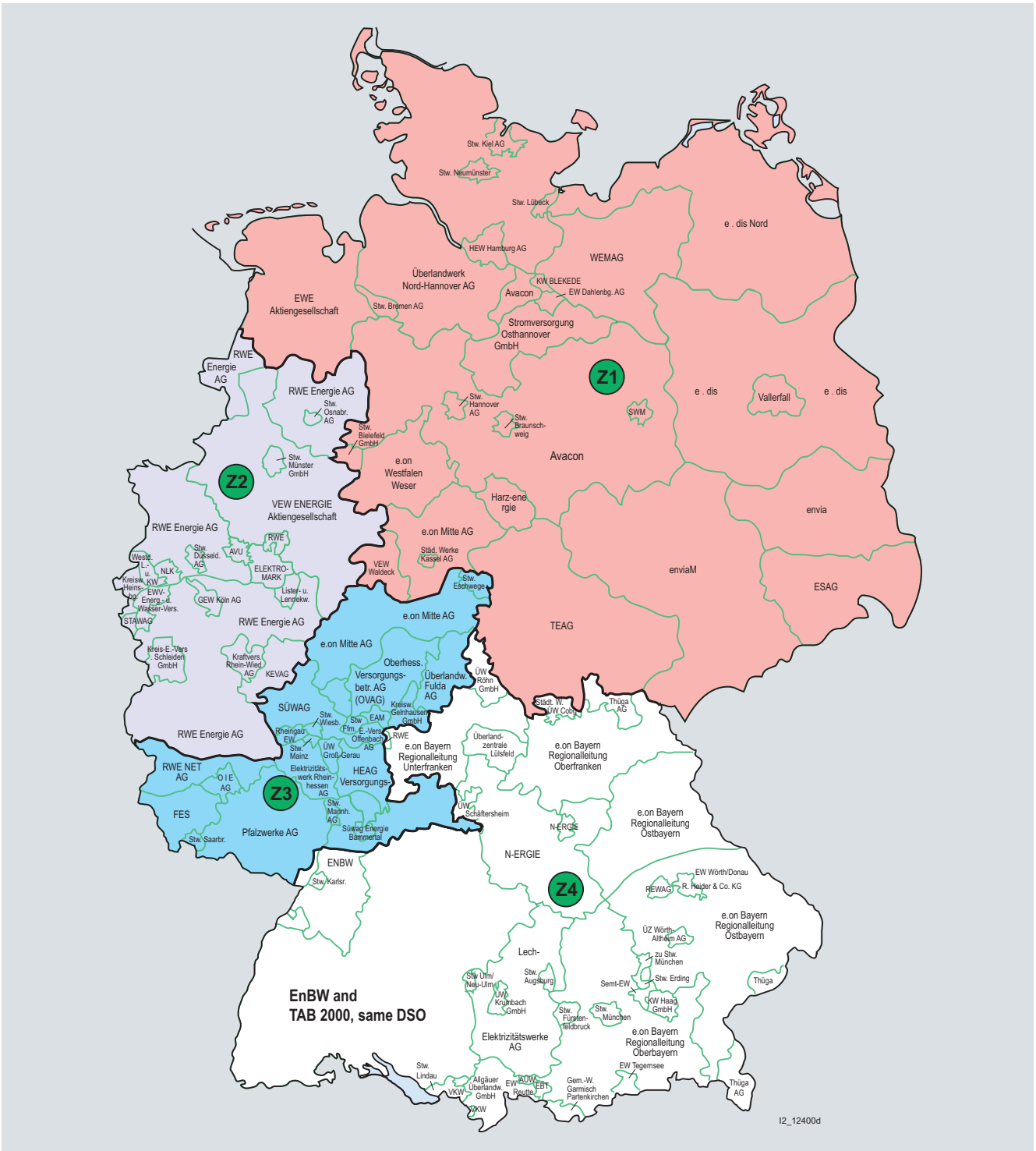
ALPHA cable entry boxes are also available to complete these systems. For internal measurements, the meter cabinet mounting kits can be mounted into any Siemens installation system with a 210 mm mounting depth.

More information: See section *System overview* (Page 6/4).

© Siemens AG 2010



## More information




### Regional catalogs for meter cabinets[1)]

| | |
|---|---|
| Region Z1 | Berlin, Bielefeld, Brandenburg, Braunschweig, Bremen, Hamburg, Hanover, Kassel, Magdeburg, Mecklenburg-West Pomerania, Lower Saxony, Saxony, Saxony-Anhalt, Schleswig-Holstein and Thuringia |
| Region Z2 | Düsseldorf, Cologne, Lower Saxony, North Rhine Westfalia |
| Region Z3 | Karlsruhe, Mannheim, Nordbaden, Saarbrücken, South Hessen and bordering areas |
| Region Z4 | Baden-Württemberg without Nordbaden, Bavaria |

[1)] Regional catalogs are available in German only.

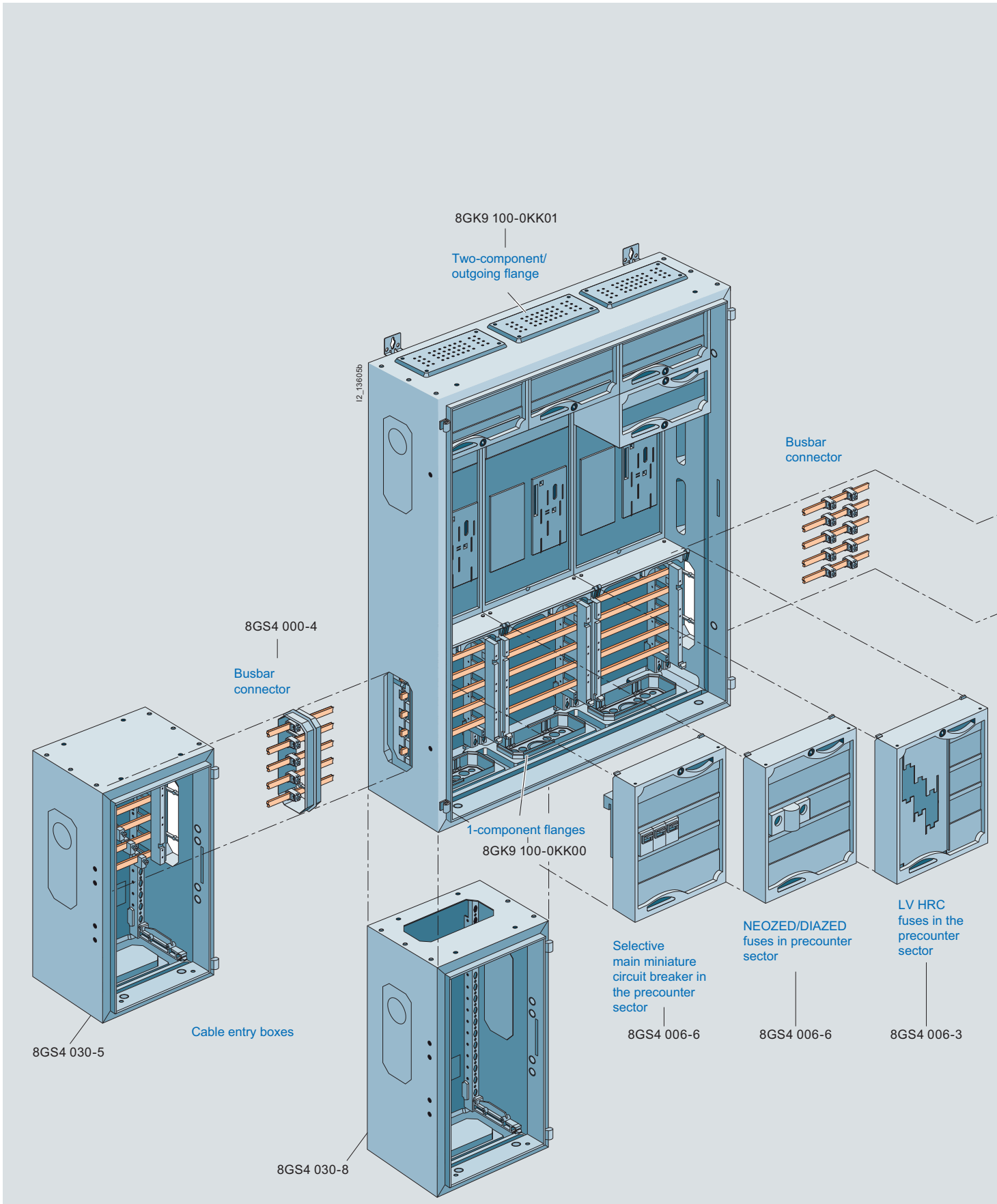
© Siemens AG 2010





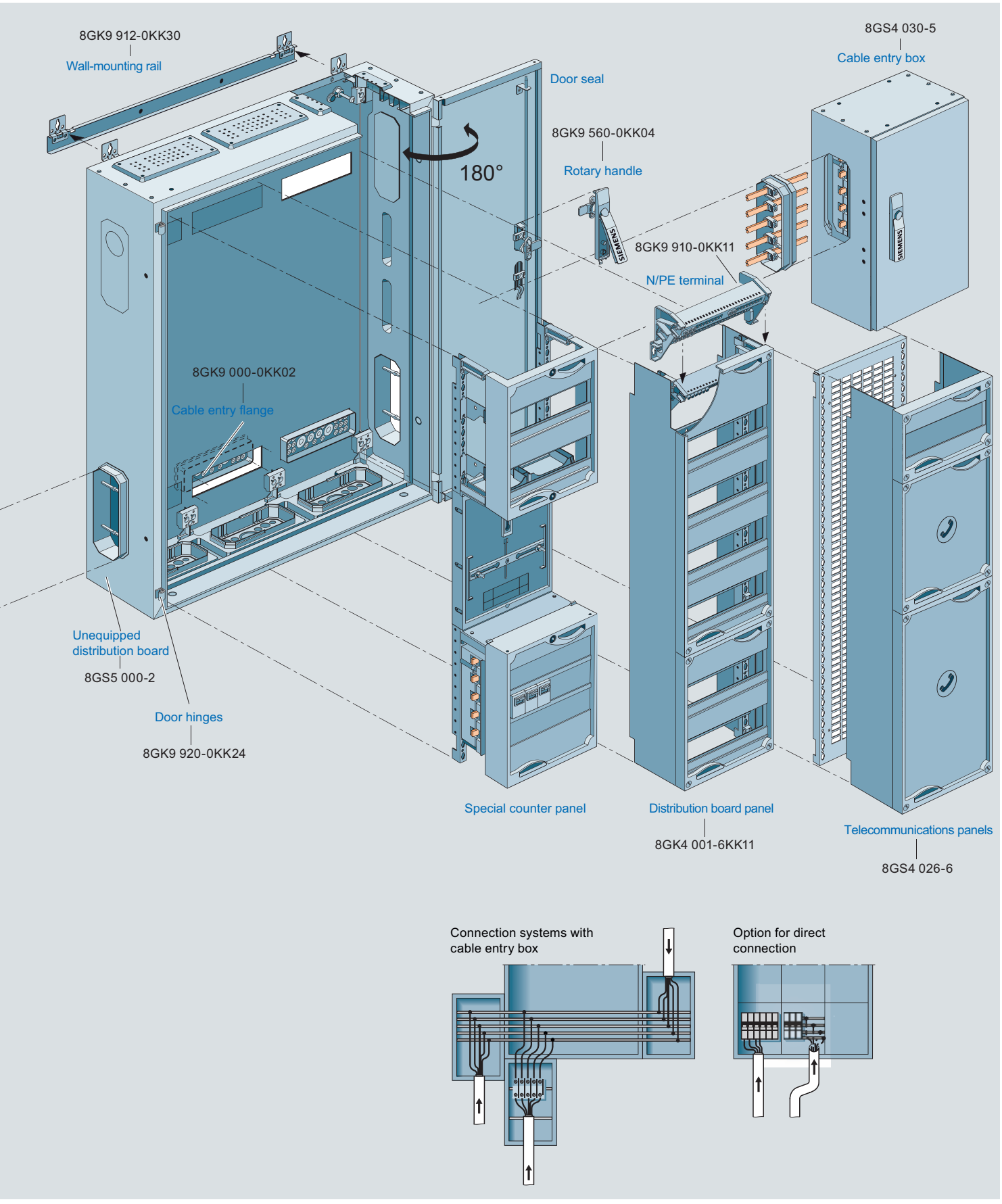


## Overview



© Siemens AG 2010





© Siemens AG 2010



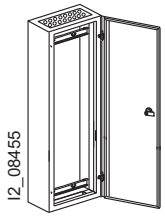
## Unequipped distribution boards

### Overview

- Cabinet depth of 210 mm
- Safety class 2 (total insulation)
- Enclosure each with door (If the doors are wider than 750 mm/800 mm, they will be supplied as a double door) and rotary handle, which can be replaced by other locking systems
- Surface-mounting distribution boards, degree of protection: IP43
  - RAL 9016 (traffic white)
  - Incoming side: one 1-component flange per panel width
  - Outgoing side: one 2-component flange per panel width
- Surface-mounting distribution boards, degree of protection: IP55
  - RAL 9016 (traffic white)
  - Incoming and outgoing side: one two-component flange each per panel width
- Flush-mounting distribution boards, degree of protection: IP31D
  - RAL 9016 (traffic white)
  - Incoming and outgoing side: one two-component flange each per panel width
  - Without wall-recessed boxes (wall-recessed boxes not essential)



### Selection and ordering data



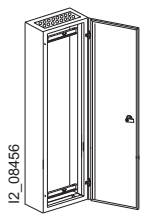
8GS5 000-0

**Unequipped distribution boards, height 900/950 mm**

| Type | Panel width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Width 250/300 mm | □ | | | | | | |
| - IP43 | | A | **8GS5 000-0** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-4KK12** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-4KK12** | | 1 | 1 | 039 |
| • Width 500/550 mm | □□ | | | | | | |
| - IP43 | | A | **8GS5 000-1** | | 1 | 1 | 043 |
| - IP55 | | A | **8GK1 133-4KK22** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-4KK22** | | 1 | 1 | 039 |
| • Width 750/800 mm | □□□ | | | | | | |
| - IP43 | | A | **8GS5 000-2** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-4KK32** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-4KK32** | | 1 | 1 | 039 |
| • Width 1000/1050 mm | □□□□ | | | | | | |
| - IP43 | | A | **8GS5 000-3** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-4KK42** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-4KK42** | | 1 | 1 | 039 |
| • Width 1250/1300 mm | □□□□□ | | | | | | |
| - IP43 | | A | **8GS5 000-4** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-4KK52** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-4KK52** | | 1 | 1 | 039 |

Footnote

[1)] Wall-recessed boxes not essential. For wall-recessed boxes, see section *ALPHA 400 DIN Wall-Mounted Distribution Boards.*



8GS5 001-0

**Unequipped distribution boards, height 1050/1100 mm**

| Type | Panel width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Width 250/300 mm | □ | | | | | | |
| - IP43 | | A | **8GS5 001-0** | | 1 | 1 | 043 |
| - IP55 | | A | **8GK1 133-5KK12** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-5KK12** | | 1 | 1 | 039 |
| • Width 500/550 mm | □□ | | | | | | |
| - IP43 | | A | **8GS5 001-1** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-5KK22** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-5KK22** | | 1 | 1 | 039 |
| • Width 750/800 mm | □□□ | | | | | | |
| - IP43 | | A | **8GS5 001-2** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-5KK32** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-5KK32** | | 1 | 1 | 039 |
| • Width 1000/1050 mm | □□□□ | | | | | | |
| - IP43 | | A | **8GS5 001-3** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-5KK42** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-5KK42** | | 1 | 1 | 039 |
| • Width 1250/1300 mm | □□□□□ | | | | | | |
| - IP43 | | A | **8GS5 001-4** | | 1 | 1 | 043 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-5KK52** | | 1 | 1 | 039 |

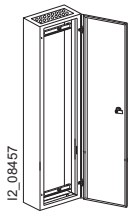
Footnote

[1)] Wall-recessed boxes not essential. For wall-recessed boxes, see section *ALPHA 400 DIN Wall-Mounted Distribution Boards.*

* You can order this quantity or a multiple thereof.

© Siemens AG 2010





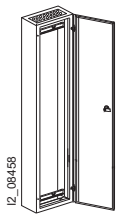
8GS5 002-0

**Unequipped distribution boards, height 1200/1250 mm**

| Type | Panel width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Width 250/300 mm | | | | | | | |
| - IP43 | □ | A | **8GS5 002-0** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-6KK12** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-6KK12** | | 1 | 1 | 039 |
| • Width 500/550 mm | | | | | | | |
| - IP43 | □□ | A | **8GS5 002-1** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-6KK22** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-6KK22** | | 1 | 1 | 039 |
| • Width 750/800 mm | | | | | | | |
| - IP43 | □□□ | A | **8GS5 002-2** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-6KK32** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-6KK32** | | 1 | 1 | 039 |
| • Width 1000/1050 mm | | | | | | | |
| - IP43 | □□□□ | A | **8GS5 002-3** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-6KK42** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-6KK42** | | 1 | 1 | 039 |
| • Width 1250/1300 mm | | | | | | | |
| - IP43 | □□□□□ | A | **8GS5 002-4** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-6KK52** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-6KK52** | | 1 | 1 | 039 |

Footnote

[1)] Wall-recessed boxes not essential. For wall-recessed boxes, see section *ALPHA 400 DIN Wall-Mounted Distribution Boards*.



8GS5 003-0

**Unequipped distribution boards, height 1350/1400 mm**

| Type | Panel width | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Width 250/300 mm | | | | | | | |
| - IP43 | □ | A | **8GS5 003-0** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-7KK12** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-7KK12** | | 1 | 1 | 039 |
| • Width 500/550 mm | | | | | | | |
| - IP43 | □□ | A | **8GS5 003-1** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-7KK22** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-7KK22** | | 1 | 1 | 039 |
| • Width 750/800 mm | | | | | | | |
| - IP43 | □□□ | A | **8GS5 003-2** | | 1 | 1 | 043 |
| - IP55 | | A | **8GK1 133-7KK32** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-7KK32** | | 1 | 1 | 039 |
| • Width 1000/1050 mm | | | | | | | |
| - IP43 | □□□□ | A | **8GS5 003-3** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-7KK42** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-7KK42** | | 1 | 1 | 039 |
| • Width 1250/1300 mm | | | | | | | |
| - IP43 | □□□□□ | A | **8GS5 003-4** | | 1 | 1 | 043 |
| - IP55 | | C | **8GK1 133-7KK52** | | 1 | 1 | 039 |
| - IP31D flush mounting[1)] | | C | **8GK1 131-7KK52** | | 1 | 1 | 039 |

Footnote

[1)] Wall-recessed boxes not essential. For wall-recessed boxes, see section *ALPHA 400 DIN Wall-Mounted Distribution Boards*.

Utilities-specific meter mounting boards, meter cabinet accessories and modular installation devices can be found in the regional meter mounting board lists.



*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Distribution board panels

### Overview

- Tier spacing 125 mm
- With N/PE bar

### Selection and ordering data



8GK4 001-6KK11

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Distribution board panels, height 900 mm** | | | | | | |
| Versions | | | | | | |
| • Width 250 mm | | | | | | |
| - Tiers/MW: 6/72, with one N/PE bar | A | **8GK4 001-6KK11** | | 1 | 1 | 039 |
| - Tiers/MW: 6/72, with two N/PE bars | A | **8GK4 003-6KK11** | | 1 | 1 | 039 |
| - Tiers/MW: 3/36, with 1 N/PE bar, with front cover at bottom | A | **8GK4 107-6KK12** | | 1 | 1 | 039 |
| • Width 500 mm | | | | | | |
| - Tiers/MW: 12/144, with two N/PE bars | A | **8GK4 001-6KK22** | | 1 | 1 | 039 |
| **Distribution board panels, height 1050 mm** | | | | | | |
| Versions | | | | | | |
| • Width 250 mm | | | | | | |
| - Tiers/MW: 7/84, with one N/PE bar | A | **8GK4 001-7KK11** | | 1 | 1 | 039 |
| - Tiers/MW: 7/84, with two N/PE bars | B | **8GK4 003-7KK11** | | 1 | 1 | 039 |
| • Width 500 mm | | | | | | |
| - Tiers/MW: 14/168, with two N/PE bars | A | **8GK4 001-7KK22** | | 1 | 1 | 039 |
| **Distribution board panels, height 1200 mm** | | | | | | |
| Versions | | | | | | |
| • Width 250 mm | | | | | | |
| - Tiers/MW: 8/96, with one N/PE bar | A | **8GK4 001-8KK12** | | 1 | 1 | 039 |
| - Tiers/MW: 8/96, with two N/PE bars | ► | **8GK4 003-8KK12** | | 1 | 1 | 039 |
| • Width 500 mm | | | | | | |
| - Tiers/MW: 16/192, with two N/PE bars | A | **8GK4 001-8KK22** | | 1 | 1 | 039 |
| **Distribution board panels, height 1350 mm** | | | | | | |
| Versions | | | | | | |
| • Width 250 mm | | | | | | |
| - Tiers/MW: 9/108, with one N/PE bar | A | **8GK4 002-8KK12** | | 1 | 1 | 039 |
| - Tiers/MW: 9/108, with two N/PE bars | A | **8GK4 003-8KK13** | | 1 | 1 | 039 |
| • Width 500 mm | | | | | | |
| - Tiers/MW: 18/216, with two N/PE bars | A | **8GK4 002-8KK22** | | 1 | 1 | 039 |

Utilities-specific meter mounting boards, meter cabinet accessories and modular installation devices can be found in the regional meter mounting board lists.

The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails. The quick-assembly kits with a width of 500 mm are equipped with 15 mm standard mounting rails.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Distribution board panels with S system

### Overview

- Tier spacing 125 mm
- With N/PE bar

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GS2 088-0 | **Distribution board panels with S system**<br>Width 250 mm | | | | | | |
| | Versions | | | | | | |
| | • Height 900 mm, tiers/MW: 4/48 | | | | | | |
| | - 4-pole | A | **8GS2 088-0** | | 1 | 1 | 043 |
| | - 5-pole | A | **8GS2 088-1** | | 1 | 1 | 043 |
| | • Height 1050 mm, tiers/MW: 5/60 | | | | | | |
| | - 4-pole | A | **8GS2 088-2** | | 1 | 1 | 043 |
| | - 5-pole | A | **8GS2 088-3** | | 1 | 1 | 043 |
| | • Height 1200 mm, tiers/MW: 6/72 | | | | | | |
| | - 4-pole | A | **8GS2 088-4** | | 1 | 1 | 043 |
| | - 5-pole | A | **8GS2 088-5** | | 1 | 1 | 043 |
| | • Height 1350 mm, tiers/MW: 7/84 | | | | | | |
| | - 4-pole | A | **8GS2 088-6** | | 1 | 1 | 043 |
| | - 5-pole | A | **8GS2 088-7** | | 1 | 1 | 043 |

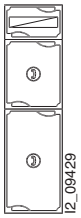
Utilities-specific meter mounting boards, meter cabinet accessories and modular installation devices can be found in the regional meter mounting board lists.

## Quick-assembly kits for telecommunications

### Overview

- Mounting plate with:
  - 10 M5 captive nuts
  - Quick-locking technology
- Telecommunications panel with:
  - Blanking strips
  - Partitions
  - Captive nuts 10 X M5 and 2 X M4

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8GS4 016-1 | **Mounting plates** | | | | | | |
| | Versions | | | | | | |
| | • Height 900 mm | A | **8GS4 016-1** | | 1 | 1 | 043 |
| | • Height 1050 mm | A | **8GS4 016-2** | | 1 | 1 | 043 |
| | • Height 1200 mm | A | **8GS4 016-3** | | 1 | 1 | 043 |
| | • Height 1350 mm | A | **8GS4 016-4** | | 1 | 1 | 043 |
|  8GS4 026-6 | **Telecommunications panels** | | | | | | |
| | Versions | | | | | | |
| | • Height 900 mm | A | **8GS4 026-6** | | 1 | 1 | 043 |
| | • Height 1050 mm | A | **8GS4 026-7** | | 1 | 1 | 043 |
| | • Height 1200 mm | A | **8GS4 026-8** | | 1 | 1 | 043 |
| | • Height 1350 mm | A | **8GS4 027-0** | | 1 | 1 | 043 |

Utilities-specific meter mounting boards, meter cabinet accessories and modular installation devices can be found in the regional meter mounting board lists.

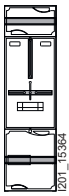
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Quick-assembly kits without wiring kits

### Selection and ordering data



8GS2 077-8

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Quick-assembly kits, without wiring kits** | | | | | | |
| Versions | | | | | | |
| • Mounting height 900 mm | | | | | | |
| - 1 Z | ► | **8GS2 077-8** | | 1 | 1 | 043 |
| - 1 TGS, 3 VR, unequipped | ► | **8GS2 078-0** | | 1 | 1 | 043 |
| - 1 TSG, 3 VR, with NEOZED element D01 | A | **8GS2 097-5** | | 1 | 1 | 043 |
| - 1 TSG, with D01 NEOZED element, 4-pole busbar | ► | **8GS2 082-1** | | 1 | 1 | 043 |
| - 1 TSG, unequipped | A | **8GS6 001-7** | | 1 | 1 | 043 |
| - 1 TSG, with D02 NEOZED element, 4-pole busbar | A | **8GS6 000-6** | | 1 | 1 | 043 |
| - 1 TSG, 3 VR, with LS B10 A/15 kA | A | **8GS2 096-4** | | 1 | 1 | 043 |
| - 1 TSG, 3 VR, with NEOZED element D02 | A | **8GS6 000-5** | | 1 | 1 | 043 |
| - 1 RES, for eHz, with busbar support | A | **8GS6 001-6** | | 1 | 1 | 043 |
| • Mounting height 1050 mm | | | | | | |
| - 1 Z | A | **8GS2 078-1** | | 1 | 1 | 043 |
| - 1 TSG, 4 VR, with NEOZED element D02 | A | **8GS2 096-7** | | 1 | 1 | 043 |
| - 1 TSG, 4 VR, unequipped | A | **8GS6 101-7** | | 1 | 1 | 043 |
| - 1 TSG, unequipped | A | **8GS6 101-8** | | 1 | 1 | 043 |
| - 1 TSG, 4 VR, with LS B10/25 kA | A | **8GS2 096-5** | | 1 | 1 | 043 |
| - 1 TSG, 4 VR, with NEOZED element D02 | A | **8GS6 100-5** | | 1 | 1 | 043 |
| - 1 RES, for eHz, with busbar support | A | **8GS6 101-6** | | 1 | 1 | 043 |
| • Mounting height 1200 mm | | | | | | |
| - 2 Z | A | **8GS2 078-2** | | 1 | 1 | 043 |
| - 1 RES, 2 VR | A | **8GS2 078-3** | | 1 | 1 | 043 |
| - 1 RES, 3 VR | A | **8GS2 097-2** | | 1 | 1 | 043 |
| - 1 TSG, 5 VR, with NEOZED element D02 | A | **8GS2 096-8** | | 1 | 1 | 043 |
| - 1 TSG, 5 VR, with LS B10/25 kA | A | **8GS2 090-1** | | 1 | 1 | 043 |
| - 1 TSG, 3 VR, with D02 NEOZED element, 4-pole busbar | ► | **8GS2 013-7** | | 1 | 1 | 043 |
| • Mounting height 1350 mm | | | | | | |
| - 1 Z, 3 VR | ► | **8GS2 078-5** | | 1 | 1 | 043 |
| - 2 Z | A | **8GS2 078-4** | | 1 | 1 | 043 |
| - 1 TSG, 6 VR, with NEOZED element D02 | A | **8GS2 097-0** | | 1 | 1 | 043 |
| - 1 TSG, 6 VR, with LS B10/25 kA | A | **8GS2 090-2** | | 1 | 1 | 043 |

Utilities-specific meter mounting boards, meter cabinet accessories and modular installation devices can be found in the regional meter mounting board lists.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010





© Siemens AG 2010



## Distribution boards, with steel sheet door and mounting plate

### Overview

The ALPHA BOX distribution boards comprise a metal enclosure and a closed metal door with seal. The interior is fitted with a mounting plate for mounting a wide range of devices. The locking system with double-bit lock – one lock for the small distribution boards and two locks for the larger ones – is simple to open and close.

These mechanically robust distribution boards with corrosion-proof surface are ideal for a wide range of applications, not only in residential and non-residential buildings, but also in harsh environments.

### Benefits

- Mechanically robust and corrosion-proof according to IEC/EN 62208
- Simple mounting of devices on the mounting plate

### Application

ALPHA BOX distribution boards are ideal for a wide range of indoor applications, not only in residential and non-residential buildings, but also in harsh environments.

### Design





Door opening angle of 180°



Interior view with mounting plate



Locking system

© Siemens AG 2010



## Technical specifications

| | |
|---|---|
| **Test specifications** | IEC 62208 / EN 62208 / EN 62208 (VDE 0660-511) |
| Protective measures | Safety class I (protective conductor connection) |
| Degree of protection acc. to EN 60529 | IP55 with door |
| Corrosion resistance | Acc. to EN 62208 |
| Impact strength | IK 09 |
| Load carrying capacity of mounting plate | 50 kg for enclosure sheet thickness 1 mm, 100 kg for enclosure sheet thickness 1.5 mm |
| Load carrying capacity of door | 8 kg for enclosure sheet thickness 1 mm, 15 kg for enclosure sheet thickness 1.5 mm |
| Ambient temperature for indoor installation | -5 ... 40 °C |
| Ambient atmospheric conditions for indoor installation | 50 % relative humidity at +40 °C or 90 % at +20 °C |
| Conditions during transport and storage | -25 ... +55 °C, short-time < 24 h +70 °C |
| Enclosures | Sheet steel |
| Surface | Electrogalvanized and powder-coated |
| Color | RAL 7035 (light gray) |
| Locking system | 3 mm double-bit lock |
| Packing material | Shock-proof, environmentally-friendly |
| **Further valid test specifications** | IEC/EN 50102, IEC/EN 60529 |
| Further specifications in accordance with | IEC 60439-1/-3 / EN 60439-1/-3 (VDE 0660-500/-504) |
| Overvoltage category | III |
| Rated voltage $U_n$ (40 ... 60 Hz) in V | ≤ 690 / 520 V (for EN 60439-3) |
| Pollution degree | 3 |

| Order number | External dimensions in mm | | | Permissible power loss in W for surface-mounting enclosures at overtemperature in 75 % of enclosure height | | | | |
|---|---|---|---|---|---|---|---|---|
| | Height | Width | Depth | 10 K | 15 K | 20 K | 25 K | 30 K |
| 8GM1 040-3KK30 | 400 | 300 | 200 | 10 | 17 | 25 | 33 | 41 |
| 8GM1 050-3KK30 | 500 | 300 | 200 | 12 | 20 | 29 | 38 | 48 |
| 8GM1 050-3KK40 | 500 | 400 | 200 | 15 | 25 | 35 | 46 | 58 |
| 8GM1 050-4KK40 | 500 | 400 | 250 | 17 | 27 | 39 | 52 | 65 |
| 8GM1 060-3KK40 | 600 | 400 | 200 | 17 | 27 | 39 | 52 | 65 |
| 8GM1 060-4KK40 | 600 | 400 | 250 | 19 | 31 | 44 | 58 | 73 |
| 8GM1 070-3KK50 | 700 | 500 | 200 | 22 | 36 | 51 | 68 | 85 |
| 8GM1 070-4KK50 | 700 | 500 | 250 | 24 | 40 | 56 | 75 | 94 |
| 8GM1 080-4KK60 | 800 | 600 | 250 | 30 | 49 | 70 | 93 | 116 |
| 8GM1 080-5KK60 | 800 | 600 | 300 | 33 | 54 | 77 | 102 | 128 |
| 8GM1 100-4KK60 | 1000 | 600 | 250 | 34 | 57 | 81 | 107 | 134 |
| 8GM1 100-5KK60 | 1000 | 600 | 300 | 38 | 63 | 90 | 119 | 149 |
| 8GM1 100-5KK80 | 1000 | 800 | 300 | 51 | 84 | 121 | 159 | 200 |
| 8GM1 120-5KK80 | 1200 | 800 | 300 | 64 | 105 | 150 | 198 | 249 |

© Siemens AG 2010



## Distribution boards, with steel sheet door and mounting plate

### Selection and ordering data



8GM1 040-3KK30

**Distribution boards, with steel sheet door and mounting plate**

| External dimensions Height mm | Width mm | Depth mm | Enclosure thickness mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG | Weight 1 unit approx. kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 400 | 300 | 200 | 1 | C | **8GM1 040-3KK30** | | 1 | 1 | 036 | 6.100 |
| 500 | 300 | 200 | 1 | C | **8GM1 050-3KK30** | | 1 | 1 | 036 | 7.300 |
| | 400 | 200 | 1 | C | **8GM1 050-3KK40** | | 1 | 1 | 036 | 9.200 |
| | 400 | 250 | 1 | C | **8GM1 050-4KK40** | | 1 | 1 | 036 | 10.000 |
| 600 | 400 | 200 | 1 | C | **8GM1 060-3KK40** | | 1 | 1 | 036 | 10.800 |
| | 400 | 250 | 1 | C | **8GM1 060-4KK40** | | 1 | 1 | 036 | 11.600 |
| 700 | 500 | 200 | 1.5 | C | **8GM1 070-3KK50** | | 1 | 1 | 036 | 19.100 |
| | 500 | 250 | 1.5 | C | **8GM1 070-4KK50** | | 1 | 1 | 036 | 21.600 |
| 800 | 600 | 250 | 1.5 | C | **8GM1 080-4KK60** | | 1 | 1 | 036 | 28.100 |
| | 600 | 300 | 1.5 | C | **8GM1 080-5KK60** | | 1 | 1 | 036 | 29.900 |
| 1000 | 600 | 250 | 1.5 | C | **8GM1 100-4KK60** | | 1 | 1 | 036 | 34.100 |
| | 600 | 300 | 1.5 | C | **8GM1 100-5KK60** | | 1 | 1 | 036 | 36.000 |
| | 800 | 300 | 1.5 | C | **8GM1 100-5KK80** | | 1 | 1 | 036 | 45.600 |
| 1200 | 800 | 300 | 1.5 | C | **8GM1 120-5KK80** | | 1 | 1 | 036 | 53.400 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# ALPHA 8HP Molded-Plastic Distribution Systems

8




8/2 **Introduction**

**Single Enclosures**
8/9 Empty enclosures
8/11 Enclosures for modular installation devices with snap-on mounting
8/13 Enclosures with DIAZED/NEOZED screw-in fuses, 25 A and 63 A
8/15 Enclosures with LV HRC fuse bases
8/17 Enclosures with fuse switch disconnectors, 160 A ... 630 A
8/20 Meter enclosures
8/21 Enclosures with main and EMERGENCY-STOP switches, 63 A ... 800 A
8/23 Enclosures with switch disconnectors with fuses, 63 A ... 250 A
8/24 Assembly kits for load break and parallel switches
8/25 Enclosures with in-built 3VL circuit breakers

**Accessories**
8/27 Components for busbar systems
8/34 Accessories for enclosures
8/37 Mounting accessories
8/41 Support racks and cable space covers

**Dimensional Drawings**
8/46 Single enclosures
8/51 Accessories

© Siemens AG 2010



## Introduction

### Overview

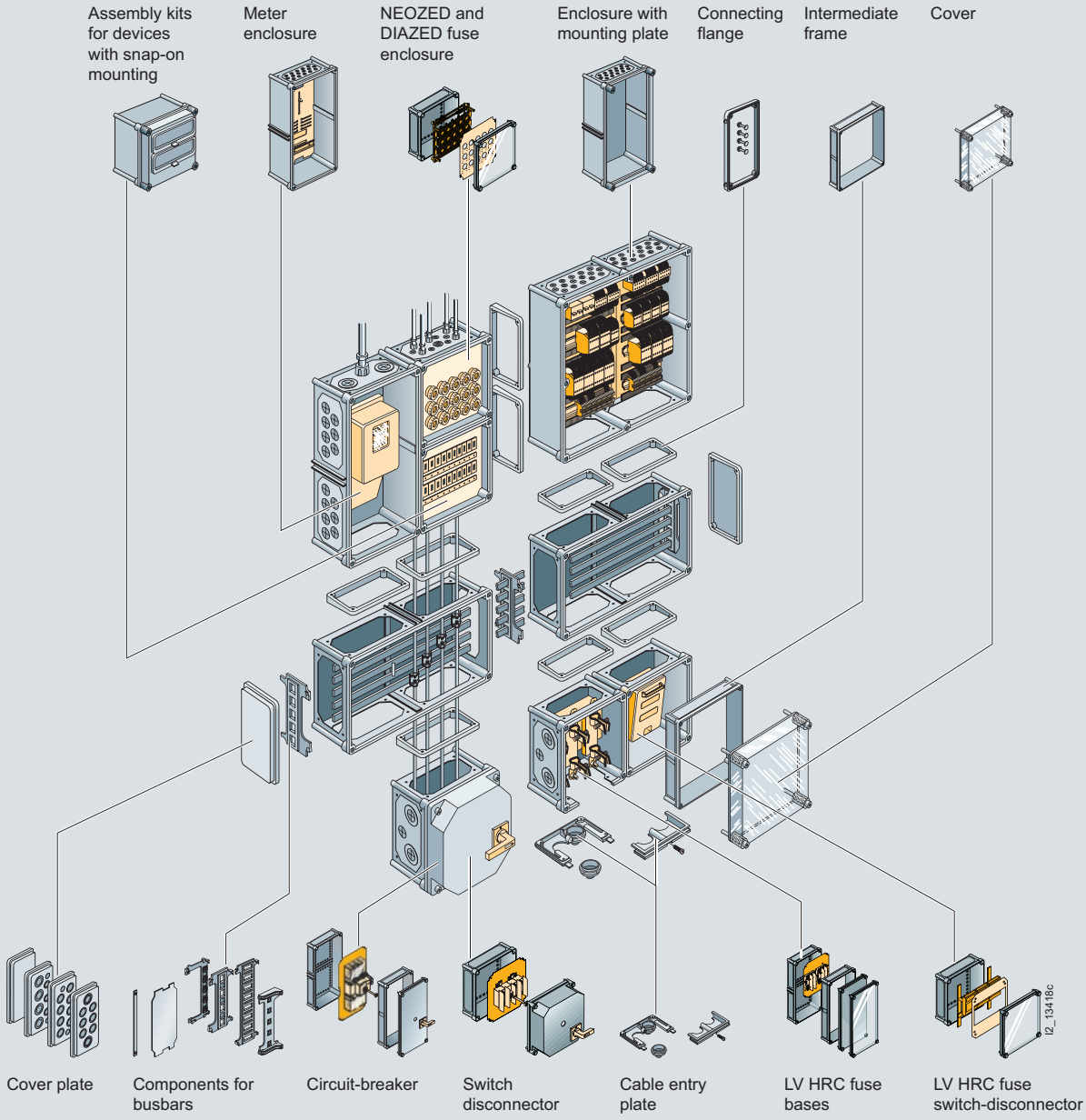
| ALPHA 8HP molded-plastic distribution systems | | Page | Surface-mounting distribution boards | Flush-mounting distribution boards | Rated current | Cabinet depth | Safety class | | Degree of protection |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | mm | 1 | 2 | |
|  | Empty enclosures | from 8/9 | ✔ | -- | 1800 | Expandable as required | -- | ✔ | IP65 |
|  | Complete enclosures | from 8/11 | ✔ | -- | 1800 | 147 / 185 / 212 | -- | ✔ | IP65 |





© Siemens AG 2010





© Siemens AG 2010



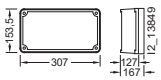
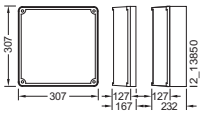
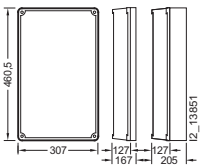
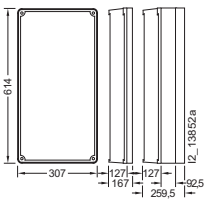
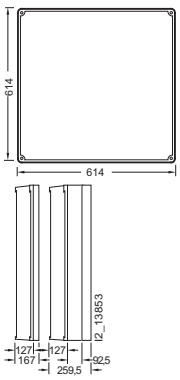
## Introduction









| Size | | Empty enclosures | Enclosures | Covers/ intermediate frames | Mounting plates | Meter panels |
|---|---|---|---|---|---|---|
| | | Enclosures with spring-mounted quick-acting locks, which are opened with tools and closed by hand. Knockouts for flange openings and cable entries. Components for the enclosure are delivered separately. | | | | With counter fixing screws |
| | | See page 8/9 | See page 8/9 | See page 8/9 | See page 8/9 | See page 8/38 |
| 1 |  | Mounting depth 147 mm:<br>**8HP2 001** ≠<br>**8HP2 021** ≡ | **8HP1 101** | **8HP1 201** ≠<br>**8HP1 221** ≡<br>With one actuating flap:<br>**8HP1 331** ≠ | **8HP6 301** | -- |
| 2 |  | Mounting depth 147 mm:<br>**8HP2 002** ≠<br>**8HP2 022** ≡<br>Mounting depth 212 mm:<br>**8HP2 012** ≠<br>**8HP2 032** ≡ | **8HP1 102** | Mounting depth 147 mm:<br>**8HP1 202** ≠<br>**8HP1 222** ≡<br>Mounting depth 212 mm:<br>**8HP2 212** ≠<br>**8HP2 232** ≡<br>With one actuating flap:<br>**8HP1 351** ≡<br>With two actuating flaps:<br>**8HP1 352** ≡ | **8HP6 302** | -- |
| 2.5 |  | Mounting depth 147 mm:<br>**8HP2 027** ≠<br>Mounting depth 185 mm:<br>**8HP2 047** ≠ | **8HP1 107** | Mounting depth 147 mm:<br>**8HP2 227** ≡<br>Mounting depth 185 mm:<br>**8HP2 247** ≡ | **8HP6 307** | With one meter panel<br>**8HP6 111** |
| 3 |  | Mounting depth 147 mm:<br>**8HP2 003** ≠<br>**8HP2 023** ≡ | **8HP1 103** | Mounting depth 147 mm:<br>**8HP1 203** ≠<br>**8HP1 223** ≡<br>For increasing the mounting depth by 92.5 mm:<br>**8HP1 283**<br>With three actuating flaps:<br>**8HP1 353** ≡<br>With four actuating flaps:<br>**8HP1 354** ≡ | **8HP6 303** | With one meter panel<br>**8HP6 112** |
| 4 |  | Mounting depth 147 mm:<br>**8HP2 004** ≠<br>**8HP2 024** ≡ | **8HP1 104** | Mounting depth 147 mm:<br>**8HP1 204** ≠<br>**8HP1 224** ≡<br>For increasing the mounting depth by 92.5 mm:<br>**8HP1 284** | **8HP6 304** | With two meter panels **8HP6 112** |

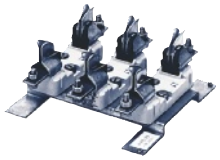
≠ Opaque covers

≡ Transparent covers

© Siemens AG 2010








| **Assembly kits for modular installation devices with snap-on mounting**<br><br>With cover plates; with one N bar, one PE bar, both 6 mm x 6 mm, and one incoming terminal, 35 mm$^2$; the required terminals must be ordered separately (8WA2 860 4 mm$^2$)<br><br>See page 8/11 | **DIAZED or NEOZED fuse assembly kits**<br><br>With bus-mounting fuse bases and cover plates; with N and PE bars, 6 mm x 6 mm; with incoming terminal, 35 mm$^2$, as well as one outgoing terminal per 3-pole circuit<br><br>See page 8/13 | **Assembly kits with LV HRC fuse bases**<br><br>Connections:<br>• LV HRC00 clamp connections<br>• LV HRC1 M10 terminal screws<br>• LV HRC2 M10 terminal screws<br>• LV HRC3 M12 terminal screws<br>• **Without** N and PE terminals<br><br>See page 8/15 | **Assembly kits for fuse switch disconnectors**<br><br>Without cover plates, fixing screws for the fuse switch disconnectors are included in delivery<br><br>See page 8/17 | **Enclosures with in-built 3VL circuit-breakers**<br><br>Connection-ready main switch for the protection of large plants<br><br>See page 8/25 |
|---|---|---|---|---|
| One tier with 14 MW:<br>**8HP5 531** | 2 x 3 x 25 A:<br>**8HP5 142**<br>2 x 3 x 63 A:<br>**8HP5 162** | **8HP5 300** | **8HP5 413** [1]<br>**8HP5 411** [3] | -- |
| Two tiers, each with 14 MW:<br>**8HP5 532**<br>(tier spacing: 125 mm) | 4 x 3 x 25 A:<br>**8HP5 144**<br>5 x 3 x 25 A:<br>**8HP5 145**<br>4 x 3 x 63 A:<br>**8HP5 164**<br>2 x 3 x 25 A and 3 x 3 x 63 A:<br>**8HP5 170**<br>8 x 3 x 63 A:<br>**8HP5 157**<br>(NEOZED fuse links) | **8HP5 301**<br>**8HP5 302**<br>**8HP5 312**<br>**8HP5 314** | **8HP5 414** [3]<br>**8HP5 415** [2]<br>**8HP5 421** [1]<br>**8HP5 422** [3] | -- |
| Three tiers, each with 14 MW:<br>**8HP5 533**<br>(tier spacing: 125 mm) | 7 x 3 x 25 A:<br>**8HP5 147**<br>6 x 3 x 63 A:<br>**8HP5 166**<br>5 x 3 x 25 A and 2 x 3 x 63 A:<br>**8HP5 172**<br>2 x 3 x 25 A and 4 x 3 x 63 A:<br>**8HP5 171** | **8HP5 311**<br>**8HP5 312**<br>**8HP5 314** | **8HP5 415** [2]<br>**8HP5 421** [1] | -- |
| Four tiers, each with 14 MW:<br>**8HP5 534**<br>(tier spacing: 125 mm) | 8 x 3 x 25 A:<br>**8HP5 148**<br>10 x 3 x 25 A:<br>**8HP5 150**<br>8 x 3 x 63 A:<br>**8HP5 167**<br>6 x 3 x 25 A and 4 x 3 x 63 A:<br>**8HP5 174**<br>7 x 3 x 25 A and 3 x 3 x 63 A:<br>**8HP5 175**<br>2 x 3 x 25 A and 8 x 3 x 63 A:<br>**8HP5 173** | **8HP5 312**<br>**8HP5 314** | **8HP5 422**<br>**8HP5 423** [3]<br>**8HP5 424** [3] | **8HP2 20 □ - □**<br>$I_n$ = 63 A **0**<br>$I_n$ = 100 A **1**<br>$I_n$ = 160 A **2**<br>$I_n$ = 250 A **3**<br>3-pole, TM **1**<br>3-pole, elec. **2**<br>4-pole, TM **3**<br>4-pole, elec. **4** |
| -- | -- | -- | -- | -- |

[1] PEN terminals can be installed.

[2] PEN terminal installed.

[3] 4 and 5-conductors must be passed through uncut.

© Siemens AG 2010



## Introduction

The 8HP distribution system is a modular system for low-voltage small distribution boards, control panels and power distribution boards.



### Benefits

The optimum design of these high quality materials fulfills all the demands made on enclosures. This includes:

- Total insulation
- Corrosion resistance
- Mechanical strength
- Simple finish
- Temperature resistance
- No maintenance
- Flame retardant, self-extinguishing
- Halogen-free (thus preventing consequential damage resulting from external fire), excludes cable space cover
- Lightweight components.

#### *Total insulation*

All enclosure parts and operating mechanisms are designed so that, if closed during operation, they fulfill the requirements of the protective measure "Total Insulation" according to DIN VDE 0100 Part 410. All enclosure fixings are on the outside.

### Application

It is suitable for use in all industrial and commercial areas, in power plants, large public and private buildings, public utility companies, as well as office and residential buildings.

The components of the 8HP distribution system comply with the requirements of type-tested low-voltage switchgear assemblies (TTA) according to EN 60439-1/DIN VDE 0660 Part 500. The enclosure complies with the protective measure "Total Insulation" according to DIN VDE 0100.

#### *Standards*

DIN VDE 0660 Part 500

Specifications for type-tested low-voltage switchgear assemblies (TTA)

DIN VDE 0110

Specifications for rating the creepage distances and clearances of electrical equipment

IEC 60439-1

Ready-made switchgear assemblies for low voltage

DIN VDE 0660 Part 107

Specifications for low-voltage controls

DIN VDE 0100

Specifications for the erection of power installations with rated voltages of up to 1000 V.

#### *Declaration of conformity*

This declares conformity of the components and distribution boards with the safety requirements for low-voltage equipment as specified in the EU Directive dated 19.02.1973.

#### *Special tests passed*

Fire tests for equipment used in mining are performed by the Versuchsgrube Tremonia, Dortmund, Germany.

Shock tests for equipment used in protective rooms are performed by the Bundesamt für Zivilschutz, Bad Godesberg, Germany, regulation category RK 1.0/10 to safety level "A", certificate of use 036/95.

Earthquake tests are performed by the IAB, Ottobrunn, Germany.

The enclosure is UL-certified.

© Siemens AG 2010



### *Installation conditions*

| Installation | Measures | Climatic conditions according to DIN 50010 | Special operating and ambient conditions |
|---|---|---|---|
| Indoor | No further measures necessary | An indoor climate is an environment in rooms that are designed so that objects are largely separated from the direct influence of an open-air climate | If the operating and ambient conditions differ from the standard conditions to DIN VDE 0660 Part 500, Item 6.1, appropriate measures must be taken to protect and maintain the operating capability of the switchgear assembly for "Special operating and ambient conditions" according to Item 6.2 (mechanical protection, ventilation, indoor heating, breathers, etc.). |
| External | E.g. protected installation or protective cover, if necessary with additional walls and door (protective cabinet). | An external environment is an environment in rooms that are designed so that objects are protected against direct sunlight and precipitation and, if necessary, against wind, but are otherwise exposed to an open-air climate. | |
| Outdoor | Only permissible with measures as for external installation | An open-air climate is an environment that affects objects in the open air | |

### *Conversion from Pg to metric screw connections*

We tested a new option for using metric screw connections with the 8HP molded-plastic distribution system. The results of this test showed that the Pg openings listed in the following table are also able to accommodate metric screw connections. We have used metric screw connections with lock nuts. Appropriate sealing washers are used in order to ensure degree of protection IP65.

The values for the tested conversions from Pg to metric screw connections are shown in the following table.

The knockouts in the enclosure base parts need to be drilled out.

| Heavy-gauge threaded joints | Lock hasp diameter<br>mm | Metric screw connection | Lock hasp diameter fits | Lock hasp diameter must be enlarged to<br>mm |
|---|---|---|---|---|
| Pg 13.5 | 20.4 | M20 | ✔ | -- |
| Pg 16 | 22.5 | M25 | -- | 25.4 |
| Pg 21 | 28.3 | M32 | -- | 32.4 |
| Pg 29 | 37 | M40 | -- | 40.4 |
| Pg 36 | 47 | M50 | -- | 50.5 |
| Pg 42 | 54 | M63 | -- | 63.6 |
| Pg 48 | 59.3 | M63 | -- | 63.6 |

## Design

The distribution system comprises five enclosure sizes with a basic size of 307 mm.

The enclosures have knockouts for flange openings and cable entries. They can be used for distribution board applications as well as for stand-alone installations.

The covers are available in opaque or transparent versions (size 2.5 only available in the transparent version).

The covers are equipped with quick-acting locks for tool actuation. These can be replaced with locks for manual actuation.

The mounting depth of the enclosure is 147 mm. For enclosure size 2 there is also a cover for a mounting depth of 212 mm, and for enclosure size 2.5 there is a transparent cover for a mounting depth of 185 mm.

Intermediate frames can be used to increase the mounting depth of size 3 and 4 enclosures. Several intermediate frames can be used together. Each intermediate frame increases the mounting depth by 92.5 mm.

Installation conditions for different climatic conditions, "Application – Installation Conditions". If installed in rooms with high humidity and strongly fluctuating temperatures, suitable measures must be taken (e.g. ventilation, indoor heating) to prevent the generation of harmful condensation water. In the event of extreme temperature fluctuations, breathers must be installed.

© Siemens AG 2010



## Introduction

### Technical specifications

| | Rated current in A | | | |
|---|---|---|---|---|
| | 250 | 400 | 630 | 1000 |
| Rated operational voltage $U_e$ in V | 690 AC, 600 DC | | | |
| Rated insulation voltage $U_i$ in V | 1000 AC, 1200 DC | | | |
| Molded-plastic group I<br>Acc. to DIN VDE 0110 Parts 1 and 2/01.89 | 600 ≤ CTI<br>For the installed devices, the specifications listed in the catalogs are applicable | | | |
| Rated impulse withstand voltage/pollution degree | 8 kV/3 | | | |
| Minimum air clearances in mm | 8 | | | |
| Minimum creepage distances in mm | 12.5 | | | |
| Rated current | | | | |
| • Busbars in A | 250 | 400 | 630 | 1000 |
| • Built-in devices in A | Up to 800 | | | |
| • Infeed in A | Up to 1000 | | | |
| Degree of protection acc. to EN 60529, DIN VDE 0470 | IP65 (8HP1 520 cable entry plate with additional measures) | | | |
| Color | | | | |
| • Enclosure parts | RAL 7035, light gray | | | |
| • Transparent cover | Colorless | | | |
| • Cable space cover | RAL 7035, light gray | | | |
| Ambient temperature in °C | –40 ... +55 | | | |
| Busbars | | | | |
| • Rated current in A | 250 | 400 | 630 | 1000 |
| • Bar dimensions<br>- Main conductor L1, L2, L3 in mm<br>- N and PE bar in mm | <br>12 × 5<br>12 × 5 | <br>20 × 8<br>20 × 8 | <br>2 × 20 × 8<br>20 × 8 | <br>2 × 30 × 10<br>30 × 10 |
| • Infeed<br>- Single-ended in A<br>- Centered in A | <br>250<br>400 | <br>400<br>800 | <br>630<br>1000 | <br>1000<br>1800 |
| Short-circuit strength of the busbar | | | | |
| • Rated current at 85 °C bar temperature in A | 250 | 400 | 630 | 1000 |
| • Max. spacing of busbar supports<br>- 307 mm $I_{cw}$ (1 s) in kA<br>- 307 mm $I_{pk}$ in kA<br>- 614 mm $I_{cw}$ (1 s) in kA<br>- 614 mm $I_{pk}$ in kA | <br>10<br>40<br>10<br>40 | <br>20<br>70<br>20<br>70 | <br>30<br>70<br>30<br>70 | <br>40<br>80<br>30<br>60 |

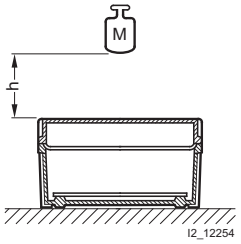
#### *Characteristics*

| | Test according to | Enclosure base parts, opaque cover, end cover plates | Transparent cover | Cable entry plate, cover lock |
|---|---|---|---|---|
| Material | -- | Glass-fiber reinforced polyester | Polycarbonate/Macrolon | PBTP-GV |
| Electrical characteristics | | | | |
| • Surface resistance in Ω | DIN 53482 | $>10^{12}$ | $>10^{15}$ | $>10^{13}$ |
| • Tracking resistance | DIN 53480 | Level KA 3c | Level KA 1 | Level KB 225 |
| • Specific insulation resistance in Ω/cm | DIN 53482 | $>10^{14}$ | $>10^{16}$ | $>10^{16}$ |
| Physical characteristics | | | | |
| • Density in g/cm$^3$ | DIN 53479/B | 1.7 | 1.2 | 1.37 |
| • Water absorption in % | DIN 53495/C | 0.20 | 0.15 | 0.45 |
| Temperature resistance | | | | |
| • Flammability | DIN VDE 0304/3 | BH2 <10 mm | BH2 <30 mm | BH2 <30 mm |
| • Continuous operating temperature in °C | -- | 120 | 115 | 120 |
| Mechanical characteristics | | | | |
| • Bending strength in N/mm$^2$ | DIN 53452 | 120 | 90 | 140 |
| • Notched bar impact strength in kJ/m$^2$ | DIN 53453 | 40 | >25 | -- |
| • Impact strength in kJ/m$^2$ | DIN 53453 | 50 | Not broken | 45 |
| Chemical resistance | | | | |
| • Acid (weak) | -- | Resistant | Resistant | Resistant |
| • Alkali (weak) | -- | Resistant | Conditionally resistant | Conditionally resistant |
| • Alcohol | -- | Resistant | Resistant | Resistant |
| • Gasoline | -- | Resistant | Resistant | Resistant |
| • Benzene | -- | Resistant | Use polyester cover | Resistant |
| • Grease and oil | -- | Resistant | Conditionally resistant | Resistant |
| • Chlorinated hydrocarbons | -- | Resistant | Use polyester cover | Resistant |

© Siemens AG 2010



*Impact strength according to Belgian standard NBN C20-001 and French standard NF C20-010*




| Degree of protection | Code | Test values M kg | Test values h m | Enclosure base parts | Covers |
|---|---|---|---|---|---|
| IP65 | 7 | 1.5 | 0.4 | 8HP1 101 | 8HP1 201 |
| | | | | 8HP1 102 | 8HP1 202/8HP1 212 |
| IP65 | 8 | 5 | 0.2 | 8HP1 103 | 8HP1 203 |
| | | | | 8HP1 104 | 8HP1 204 |
| IP65 | 10 | 15 | 0.235 | 8HP1 101 | 8HP1 221 |
| | | | | 8HP1 102 | 8HP1 222 |
| | | | | 8HP1 103 | 8HP1 223 |
| | | | | 8HP1 104 | 8HP1 224 |
| IP65 | 11 | 15 | 0.4 | 8HP1 102 | 8HP1 232 |
| | | | | 8HP1 107 | 8HP1 247 |

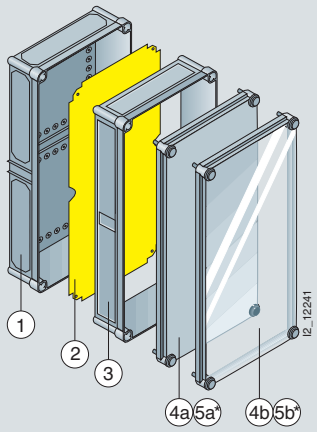
# Single Enclosures

## Empty enclosures

8

### Overview

- All complete empty enclosures are equipped with metal mounting plates.
- The quick-acting cover locks need tools for opening and can be shut manually.
- The enclosures have knockouts for flange openings and cable entries.
- High covers (for sizes 2 and 2.5) and intermediate frames (for sizes 3 and 4) are available to increase the mounting depth.




1 Enclosure base part
2 Mounting plate
3 Intermediate frames (sizes 3 and 4)
4a Cover, opaque, for mounting depth 147 mm
4b Cover, transparent, for mounting depth 147 mm
5a* Cover, opaque, for mounting depth 212 mm (size 2)
5b* Cover, transparent, for mounting depth 212 mm (size 2) and 185 mm (size 2.5)
* Not shown

| Enclosure size | Mounting depth | Cover versions | Empty enclosures, complete (delivery in individual components) Type | Individual components: Enclosure base parts Image | Enclosure base parts Type | Cover/ +intermediate frame Image | Cover/ +intermediate frame Type | Mounting plates Image | Mounting plates Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 147 mm | Opaque | 8HP2 001 | 1 | 8HP1 101 | 4a | 8HP1 201 | 2 | 8HP6 301 |
| | | Transparent | 8HP2 021 | 1 | 8HP1 101 | 4b | 8HP1 221 | 2 | 8HP6 301 |
| 2 | 147 mm | Opaque | 8HP2 002 | 1 | 8HP1 102 | 4a | 8HP1 202 | 2 | 8HP6 302 |
| | | Transparent | 8HP2 022 | 1 | 8HP1 102 | 4b | 8HP1 222 | 2 | 8HP6 302 |
| | 212 mm | Opaque | 8HP2 012 | 1 | 8HP1 102 | 5a | 8HP1 212 | 2 | 8HP6 302 |
| | | Transparent | 8HP2 032 | 1 | 8HP1 102 | 5b | 8HP1 232 | 2 | 8HP6 302 |
| 2.5 | 147 mm | Transparent | 8HP2 027 | 1 | 8HP1 107 | 4b | 8HP1 227 | 2 | 8HP6 307 |
| | 185 mm | Transparent | 8HP2 047 | 1 | 8HP1 107 | 5b | 8HP1 247 | 2 | 8HP6 307 |
| 3 | 147 mm | Opaque | 8HP2 003 | 1 | 8HP1 103 | 4a | 8HP1 203 | 2 | 8HP6 303 |
| | | Transparent | 8HP2 023 | 1 | 8HP1 103 | 4b | 8HP1 223 | 2 | 8HP6 303 |
| | 239.5 mm[1)] | Opaque | Order as individual components | 1 | 8HP1 103 | 4a<br>3 | 8HP1 203+<br>8HP1 283 | 2 | 8HP6 303 |
| | | Transparent | | 1 | 8HP1 103 | 4a<br>3 | 8HP1 223+<br>8HP1 283 | 2 | 8HP6 303 |
| 4 | 147 mm | Opaque | 8HP2 004 | 1 | 8HP1 104 | 4a | 8HP1 204 | 2 | 8HP6 304 |
| | | Transparent | 8HP2 024 | 1 | 8HP1 104 | 4b | 8HP1 224 | 2 | 8HP6 304 |
| | 239.5 mm[1)] | Opaque | Order as individual components | 1 | 8HP1 104 | 4a<br>3 | 8HP1 204+<br>8HP1 284 | 2 | 8HP6 304 |
| | | Transparent | | 1 | 8HP1 104 | 4a<br>3 | 8HP1 224+<br>8HP1 284 | 2 | 8HP6 304 |

[1)] Additional intermediate frames, each 92.5 mm, can also be used.

Enclosure dimensions, see page 8/4.

© Siemens AG 2010



# Single Enclosures

## Empty enclosures

### Selection and ordering data



8HP2 022

**Complete enclosures**

**Empty enclosures, complete**

| Versions | Enclosure size | Mounting depth in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • With transparent cover | 1 | 147 | A | **8HP2 021** | | 1 | 1 | 046 |
| | 2 | 147 | A | **8HP2 022** | | 1 | 1 | 046 |
| | | 212 | A | **8HP2 032** | | 1 | 1 | 046 |
| | 2.5 | 147 | A | **8HP2 027** | | 1 | 1 | 046 |
| | | 185 | A | **8HP2 047** | | 1 | 1 | 046 |
| | 3 | 147 | A | **8HP2 023** | | 1 | 1 | 046 |
| | 4 | 147 | A | **8HP2 024** | | 1 | 1 | 046 |
| • With opaque cover | 1 | 147 | A | **8HP2 001** | | 1 | 1 | 046 |
| | 2 | 147 | A | **8HP2 002** | | 1 | 1 | 046 |
| | | 212 | A | **8HP2 012** | | 1 | 1 | 046 |
| | 3 | 147 | A | **8HP2 003** | | 1 | 1 | 046 |
| | 4 | 147 | A | **8HP2 004** | | 1 | 1 | 046 |

**Individual components**



8HP1 103

**Enclosure base parts**

| Enclosure size | Mounting depth in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 1 | 107 | A | **8HP1 101** | | 1 | 1 | 046 |
| 2 | 107 | A | **8HP1 102** | | 1 | 1 | 046 |
| 2.5 | 107 | A | **8HP1 107** | | 1 | 1 | 046 |
| 3 | 107 | A | **8HP1 103** | | 1 | 1 | 046 |
| 4 | 107 | A | **8HP1 104** | | 1 | 1 | 046 |



8HP1 223, 8HP1 203, 8HP1 283

**Transparent covers**

| Enclosure size | Mounting depth in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 1 | 40 | A | **8HP1 221** | | 1 | 1 | 046 |
| 2 | 40 | A | **8HP1 222** | | 1 | 1 | 046 |
| | 105 | A | **8HP1 232** | | 1 | 1 | 046 |
| 2.5 | 40 | A | **8HP1 227** | | 1 | 1 | 046 |
| | 78 | A | **8HP1 247** | | 1 | 1 | 046 |
| 3 | 40 | A | **8HP1 223** | | 1 | 1 | 046 |
| 4 | 40 | A | **8HP1 224** | | 1 | 1 | 046 |

**Opaque covers**

| Enclosure size | Mounting depth in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 1 | 40 | A | **8HP1 201** | | 1 | 1 | 046 |
| 2 | 40 | A | **8HP1 202** | | 1 | 1 | 046 |
| | 105 | A | **8HP1 212** | | 1 | 1 | 046 |
| 3 | 40 | A | **8HP1 203** | | 1 | 1 | 046 |
| 4 | 40 | A | **8HP1 204** | | 1 | 1 | 046 |

**Intermediate frames**

- For increasing the mounting depth of empty enclosures by 92.5 mm
- Several intermediate frames can be mounted on top of one another
- Max. torque when locking: 1.1 Nm

| Enclosure size | Mounting depth in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 3 | 92.5 | A | **8HP1 283** | | 1 | 1 | 046 |
| 4 | 92.5 | A | **8HP1 284** | | 1 | 1 | 046 |



8HP6 303

**Mounting plates (metal)**

| Enclosure size | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| 1 | A | **8HP6 301** | | 1 | 1 | 046 |
| 2 | A | **8HP6 302** | | 1 | 1 | 046 |
| 2.5 | A | **8HP6 307** | | 1 | 1 | 046 |
| 3 | A | **8HP6 303** | | 1 | 1 | 046 |
| 4 | A | **8HP6 304** | | 1 | 1 | 046 |

For accessories, see page 8/27 ff.

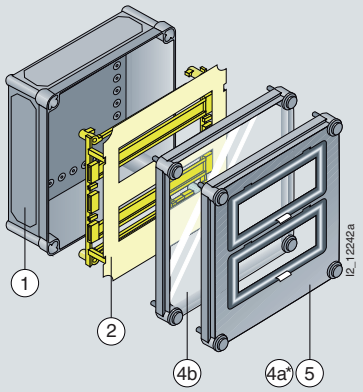
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Complete enclosures with assembly kits, including cover plates.
- The equipping options are specified in modular widths (MW = 18 mm).
- PE and N outgoing feeders,
  1 PE and N bar 6 × 6 mm, each with 1 incoming terminal,
  16 $mm^2$ for size 1 and
  35 $mm^2$ for sizes 2 - 3.
- Covers with quick-acting locks for opening with tool.
- Opaque cover with and without actuating flap, or transparent cover.




1 Enclosure base parts
2 Complete assembly kit
4a* Cover, opaque, for mounting depth 147 mm
4b Cover, transparent, for mounting depth 147 mm
5 Cover, opaque, with actuating flaps
* not shown

| Enclosure size | Equipping options in modular widths (MW) each 18 mm | Cover versions | Complete enclosures (delivery in individual components) | Individual components | |
|---|---|---|---|---|---|
| | | | Type | Image | Type |
| 1 | 1 tier with 12 MW, can be expanded to 14 MW | Opaque covers | 8HP2 511 | 1<br>2<br>4a | 8HP1 101<br>8HP5 531<br>8HP1 201 |
| | | Transparent covers | 8HP2 501 | 1<br>2<br>4b | 8HP1 101<br>8HP5 531<br>8HP1 221 |
| | | Covers, opaque, with one actuating flap | 8HP2 521 | 1<br>2<br>5 | 8HP1 101<br>8HP5 531<br>8HP1 331 |
| 2 | 2 tiers, each with 12 MW, can be expanded to 14 MW Tier spacing 125 mm | Opaque covers | 8HP2 542 | 1<br>2<br>4a | 8HP1 102<br>8HP5 532<br>8HP1 202 |
| | | Transparent covers | 8HP2 532 | 1<br>2<br>4b | 8HP1 102<br>8HP5 532<br>8HP1 222 |
| | | Covers, opaque, with two actuating flaps | 8HP2 552 | 1<br>2<br>5 | 8HP1 102<br>8HP5 532<br>8HP1 352 |
| 2.5 | 3 tiers, each with 12 MW, can be expanded to 14 MW Tier spacing 125 mm | Transparent covers | 8HP2 523 | 1<br>2<br>4b | 8HP1 107<br>8HP5 533<br>8HP1 227 |
| 3 | 4 tiers, each with 12 MW, can be expanded to 14 MW Tier spacing 125 mm | Opaque covers | 8HP2 544 | 1<br>2<br>4a | 8HP1 103<br>8HP5 534<br>8HP1 203 |
| | | Transparent covers | 8HP2 534 | 1<br>2<br>4b | 8HP1 103<br>8HP5 534<br>8HP1 223 |
| | | Covers, opaque, with four actuating flaps | 8HP2 554 | 1<br>2<br>5 | 8HP1 103<br>8HP5 534<br>8HP1 354 |

© Siemens AG 2010



# Single Enclosures

## Enclosures for modular installation devices with snap-on mounting

### Selection and ordering data



8HP2 552

**Complete enclosures**

**Enclosures for modular installation devices with snap-on mounting**

| Versions | Enclosure size | Equipping options | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • With transparent cover | 1 | 1 × 14 MW | A | **8HP2 501** | | 1 | 1 | 046 |
| | 2 | 2 × 14 MW | A | **8HP2 532** | | 1 | 1 | 046 |
| | 2.5 | 3 × 14 MW | A | **8HP2 523** | | 1 | 1 | 046 |
| | 3 | 4 × 14 MW | A | **8HP2 534** | | 1 | 1 | 046 |
| • With opaque cover | 1 | 1 × 14 MW | A | **8HP2 511** | | 1 | 1 | 046 |
| | 2 | 2 × 14 MW | A | **8HP2 542** | | 1 | 1 | 046 |
| | 3 | 4 × 14 MW | A | **8HP2 544** | | 1 | 1 | 046 |
| • With opaque cover with actuating flaps | 1 | 1 × 14 MW | A | **8HP2 521** | | 1 | 1 | 046 |
| | 2 | 2 × 14 MW | A | **8HP2 552** | | 1 | 1 | 046 |
| | 3 | 4 × 14 MW | A | **8HP2 554** | | 1 | 1 | 046 |

**Individual components**

**For enclosure base parts,** see page 8/10.

**Complete assembly kits, including cover plate**

| Enclosure size | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| 1 | A | **8HP5 531** | | 1 | 1 | 046 |
| 2 | A | **8HP5 532** | | 1 | 1 | 046 |
| 2.5 | A | **8HP5 533** | | 1 | 1 | 046 |
| 3 | A | **8HP5 534** | | 1 | 1 | 046 |

**For opaque and transparent covers,** see page 8/10.

**Opaque covers, with actuating flaps**

| Enclosure size | Number of actuating flaps | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 1 | 1 | A | **8HP1 331** | | 1 | 1 | 046 |
| 2 | 1 | A | **8HP1 351** | | 1 | 1 | 046 |
| | 2 | A | **8HP1 352** | | 1 | 1 | 046 |
| 3 | 3 | A | **8HP1 353** | | 1 | 1 | 046 |
| | 4 | A | **8HP1 354** | | 1 | 1 | 046 |

For accessories, see page 8/27 ff.



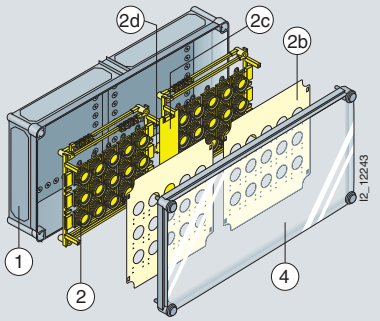
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Enclosure complete with connection-ready *assembly kits with DIAZED and NEOZED bases* including cover plates.
- PE and N outgoing feeders:
  1 rail-mounting terminal each on Cu bar, 6 mm x 6 mm, for each 3-pole circuit
  25 A/4 mm$^2$ (8WA2 860),
  63 A/16 mm$^2$ (8WA2 861).
- The bars can be equipped with further terminals, see Accessories from page 8/27.
- Transparent cover with quick-acting locks for opening with tool.
- For fuse links, see Catalog ET B1.




(1) Enclosure base part
(2) Complete assembly kit
(2b) Cover plate
(2c) Intermediate covering strip[1)]
(2d) Connecting kit for 2 assembly kits[1)2)]
(4) Cover, transparent, for mounting depth 147 mm

[1)] Available in assembly kits sizes 2.5 and 3.
[2)] Also as cross-connection to the next enclosure.

Cross-connection to the next enclosure, see page 8/37.

| Enclosure size | Size and number of DIAZED or NEOZED fuses | Incoming cable, single or stranded<br>Main conductor/PE/N mm$^2$ | Complete enclosures (delivery in individual components)<br>Type | Individual components<br>Image | <br>Type |
|---|---|---|---|---|---|
| **DIAZED fuse enclosures** | | | | | |
| 1 | 2 × 3 × 25 A (E27) | 3 × 16/1 × 16/1 × 16 | 8HP2 122 | 1<br>2<br>4 | 8HP1 101<br>8HP5 142<br>8HP1 221 |
| | 2 × 3 × 63 A (E33) | 3 × 16/1 × 16/1 × 16 | 8HP2 131 | 1<br>2<br>4 | 8HP1 101<br>8HP5 162<br>8HP1 221 |
| 2 | 4 × 3 × 25 A (E27) | 3 × 35/1 × 16/1 × 16 | 8HP2 124 | 1<br>2<br>4 | 8HP1 102<br>8HP5 144<br>8HP1 222 |
| | 5 × 3 × 25 A (E27) | 3 × 35/1 × 35/1 × 35 | 8HP2 125 | 1<br>2<br>4 | 8HP1 102<br>8HP5 145<br>8HP1 222 |
| | 4 × 3 × 63 A (E33) | 3 × 35/1 × 35/1 × 35 | 8HP2 133 | 1<br>2<br>4 | 8HP1 102<br>8HP5 164<br>8HP1 222 |
| | 2 × 3 × 25 A (E27)<br>and<br>3 × 3 × 63 A (E33) | 3 × 35/1 × 35/1 × 35 | 8HP2 145 | 1<br>2<br>4 | 8HP1 102<br>8HP5 170<br>8HP1 222 |
| 2.5 | 7 × 3 × 25 A (E27) | 3 × 35/1 × 35/1 × 35 | 8HP2 126 | 1<br>2<br>4 | 8HP1 107<br>8HP5 166<br>8HP1 227 |
| | 6 × 3 × 63 A (E33) | 3 × 35/1 × 35/1 × 35 | 8HP2 135 | 1<br>2<br>4 | 8HP1 107<br>8HP5 166<br>8HP1 227 |
| | 5 × 3 × 25 A (E27)<br>and<br>2 × 3 × 63 A (E33) | 3 × 35+3 × 16/1 × 35/1 × 35 | 8HP2 152 | 1<br>2<br>4 | 8HP1 107<br>8HP5 172<br>8HP1 227 |
| | 2 × 3 × 25 A (E27)<br>and<br>4 × 3 × 63 A (E33) | 3 × 35+3 × 16/1 × 35/1 × 35 | 8HP2 153 | 1<br>2<br>4 | 8HP1 107<br>8HP5 171<br>8HP1 227 |
| 3 | 8 × 3 × 25 A (E27) | 2 × 3 × 35/1 × 35/1 × 35 | 8HP2 128 | 1<br>2<br>4 | 8HP1 103<br>8HP5 148<br>8HP1 223 |
| | 10 × 3 × 25 A (E27) | 2 × 3 × 35/1 × 35/1 × 35 | 8HP2 130 | 1<br>2<br>4 | 8HP1 103<br>8HP5 150<br>8HP1 227 |
| | 8 × 3 × 63 A (E33) | 2 × 3 × 35/1 × 35/1 × 35 | 8HP2 137 | 1<br>2<br>4 | 8HP1 103<br>8HP5 167<br>8HP1 223 |
| | 6 × 3 × 25 A (E27)<br>and<br>4 × 3 × 63 A (E33) | 2 × 3 × 35/1 × 35/1 × 35 | 8HP2 146 | 1<br>2<br>4 | 8HP1 103<br>8HP5 174<br>8HP1 223 |
| | 7 × 3 × 25 A (E27)<br>and<br>3 × 3 × 63 A (E33) | 2 × 3 × 35/1 × 35/1 × 35 | 8HP2 147 | 1<br>2<br>4 | 8HP1 103<br>8HP5 175<br>8HP1 223 |
| | 2 × 3 × 25 A (E27)<br>and<br>8 × 3 × 63 A (E33) | 3 × 70/1 × 35/1 × 35 | 8HP2 148 | 1<br>2<br>4 | 8HP1 103<br>8HP5 173<br>8HP1 223 |
| **NEOZED fuse enclosures** | | | | | |
| 2 | 8 × 3 × 63 A (D02)<br>For sleeve gauge pieces for currents < 63 A<br>see Catalog ET B1 | 3 × 50/1 × 35/1 × 35 | 8HP2 157 | 1<br>2<br>4 | 8HP1 102<br>8HP5 157<br>8HP1 222 |

© Siemens AG 2010



# Single Enclosures

## Enclosures with DIAZED/NEOZED screw-in fuse links 25 A and 63 A

### Selection and ordering data



8HP2 125

| Version | Enclosure size | Equipping options | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Complete enclosures** | | | | | | | | |
| **DIAZED fuse enclosures** | | | | | | | | |
| Versions | Enclosure size | Equipping options | | | | | | |
| • 25 A (E27) | 1 | 2 × 3 × 25 A | A | **8HP2 122** | | 1 | 1 | 046 |
| | 2 | 4 × 3 × 25 A | A | **8HP2 124** | | 1 | 1 | 046 |
| | | 5 × 3 × 25 A | A | **8HP2 125** | | 1 | 1 | 046 |
| | 2.5 | 7 × 3 × 25 A | A | **8HP2 126** | | 1 | 1 | 046 |
| | 3 | 8 × 3 × 25 A | A | **8HP2 128** | | 1 | 1 | 046 |
| | | 10 × 3 × 25 A | A | **8HP2 130** | | 1 | 1 | 046 |
| • 63 A (E33) | 1 | 2 × 3 × 63 A | A | **8HP2 131** | | 1 | 1 | 046 |
| | 2 | 4 × 3 × 63 A | A | **8HP2 133** | | 1 | 1 | 046 |
| | 2.5 | 6 × 3 × 63 A | A | **8HP2 135** | | 1 | 1 | 046 |
| | 3 | 8 × 3 × 63 A | A | **8HP2 137** | | 1 | 1 | 046 |
| • 25 A (E27) and 63 A (E33) | 2 | 2 × 3 × 25 A and 3 × 3 × 63 A | A | **8HP2 145** | | 1 | 1 | 046 |
| | 2.5 | 5 × 3 × 25 A and 2 × 3 × 63 A | A | **8HP2 152** | | 1 | 1 | 046 |
| | | 2 × 3 × 25 A and 4 × 3 × 63 A | A | **8HP2 153** | | 1 | 1 | 046 |
| | 3 | 6 × 3 × 25 A and 4 × 3 × 63 A | A | **8HP2 146** | | 1 | 1 | 046 |
| | | 7 × 3 × 25 A and 3 × 3 × 63 A | A | **8HP2 147** | | 1 | 1 | 046 |
| | | 2 × 3 × 25 A and 8 × 3 × 63 A | A | **8HP2 148** | | 1 | 1 | 046 |
| **NEOZED fuse enclosures** | | | | | | | | |
| Versions | Enclosure size | Equipping options | | | | | | |
| • 63 A (D02) | 2 | 8 × 3 × 63 A | A | **8HP2 157** | | 1 | 1 | 046 |
| **Individual components** | | | | | | | | |
| **For enclosure base parts,** see page 8/10. | | | | | | | | |
| **Complete assembly kits, including cover plate** | | | | | | | | |
| Versions | Enclosure size | Equipping options | | | | | | |
| • For DIAZED fuse enclosures | 1 | 2 × 3 × 25 A | A | **8HP5 142** | | 1 | 1 | 046 |
| | | 2 × 3 × 63 A | A | **8HP5 162** | | 1 | 1 | 046 |
| | 2 | 4 × 3 × 25 A | A | **8HP5 144** | | 1 | 1 | 046 |
| | | 5 × 3 × 25 A | A | **8HP5 145** | | 1 | 1 | 046 |
| | | 4 × 3 × 63 A | A | **8HP5 164** | | 1 | 1 | 046 |
| | | 2 × 3 × 25 A and 3 × 3 × 63 A | A | **8HP5 170** | | 1 | 1 | 046 |
| | 2.5 | 7 × 3 × 25 A | A | **8HP5 147** | | 1 | 1 | 046 |
| | | 6 × 3 × 63 A | A | **8HP5 166** | | 1 | 1 | 046 |
| | | 2 × 3 × 25 A and 4 × 3 × 63 A | A | **8HP5 171** | | 1 | 1 | 046 |
| | | 5 × 3 × 25 A and 2 × 3 × 63 A | A | **8HP5 172** | | 1 | 1 | 046 |
| | 3 | 8 × 3 × 25 A | A | **8HP5 148** | | 1 | 1 | 046 |
| | | 10 × 3 × 25 A | A | **8HP5 150** | | 1 | 1 | 046 |
| | | 8 × 3 × 63 A | A | **8HP5 167** | | 1 | 1 | 046 |
| | | 2 × 3 × 25 A and 8 × 3 × 63 A | A | **8HP5 173** | | 1 | 1 | 046 |
| | | 6 × 3 × 25 A and 4 × 3 × 63 A | A | **8HP5 174** | | 1 | 1 | 046 |
| | | 7 × 3 × 25 A and 3 × 3 × 63 A | A | **8HP5 175** | | 1 | 1 | 046 |
| • For NEOZED fuse enclosures | 2 | 8 × 3 × 63 A | A | **8HP5 157** | | 1 | 1 | 046 |
| **Covers, transparent** see page 8/10. | | | | | | | | |

For accessories, see page 8/27 ff.

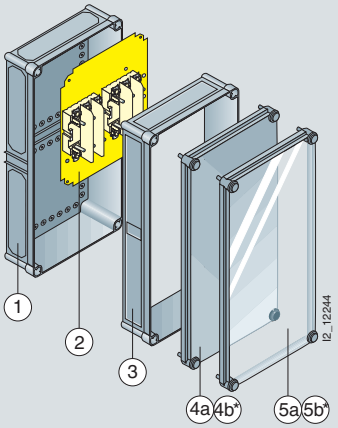
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Complete enclosures with integrated LV HRC fuse bases.
- All integrated LV HRC fuse bases (660 V AC, 440 V DC) up to 250 A with integrated PEN terminal.
- From 400 A without N and PE terminal.
- Connections:
  NH00 over terminal clamp,
  NH1 and NH2 over M10 terminal screws,
  NH3 over M12 terminal screws.
- For LV HRC fuse links, see Catalog ET B1.




1 Enclosure base part
2 Complete assembly kit
3 Intermediate frame
4a Cover, opaque, for mounting depth 147 mm
4b* Cover, opaque, for mounting depth 212 mm
5a Cover, transparent, for mounting depth 147 mm
5b* Cover, transparent, for mounting depth 212 mm (size 2) and 185 mm (size 2.5)
* Not shown

| Enclosure size | Rated current $I_n$ | Rated operational current $I_e$ | Size of base parts Connection: Main conductor; N/PE conductor | Complete enclosures (delivery in individual components) | Individual components | |
|---|---|---|---|---|---|---|
| | A | A | | Type | Image | Type |
| 1 | 160 | 145 | 3 × NH00 up to 50 mm², N/PE[1] | 8HP2 320 | 1<br>2<br>4a | 8HP1 101<br>8HP5 300<br>+8JH4 04<br>8HP1 201 |
| | | | | 8HP2 300 | 1<br>2<br>5a | 8HP1 101<br>8HP5 300<br>+8JH4 04<br>8HP1 221 |
| 2 | 160 | 145 | 3 × NH00 up to 50 mm², N/PE[1] | 8HP2 321 | 1<br>2<br>4a | 8HP1 102<br>8HP5 301<br>+8JH4 04<br>8HP1 202 |
| | | | | 8HP2 301 | 1<br>2<br>5a | 8HP1 221<br>8HP5 301<br>+8JH4 04<br>8HP1 222 |
| | | | 6 × NH00 up to 50 mm², N/PE[2] | 8HP2 322 | 1<br>2<br>4a | 8HP1 102<br>8HP5 302<br>+8JH4 043<br>8HP1 202 |
| | | | | 8HP2 302 | 1<br>2<br>5a | 8HP1 102<br>8HP5 302<br>+8JH4 43<br>8HP1 222 |
| | 250 | 250 | 3 × NH1 up to 120 mm², N/PE[3] | 8HP2 331 | 1<br>2<br>4a | 8HP1 102<br>8HP5 312<br>+8JK4 01<br>8HP1 202 |
| | | | | 8HP2 311 | 1<br>2<br>5a | 8HP1 102<br>8HP5 312<br>+8JK4 01<br>8HP1 222 |
| | 400 | 400 | 3 × NH2 up to 185 mm², N/PE[4] | 8HP2 332 | 1<br>2<br>4a | 8HP1 102<br>8HP5 312<br>8HP1 202 |
| | | | | 8HP2 312 | 1<br>2<br>5a | 8HP1 102<br>8HP5 312<br>8HP1 222 |
| | 630 | 630 | 3 × NH3 2 × 185 mm², N/PE[4] | 8HP2 334 | 1<br>2<br>4b | 8HP1 102<br>8HP5 314<br>8HP1 212 |
| | | | | 8HP2 314 | 1<br>2<br>5b | 8HP1 102<br>8HP5 314<br>8HP1 232 |
| 2.5 | 250 | 250 | 3 × NH1 up to 120 mm², N/PE[3] | 8HP2 306 | 1<br>2<br>5a | 8HP1 107<br>8HP5 311<br>8HP1 227 |
| | 400 | 400 | 3 × NH2 up to 185 mm², N/PE[4] | 8HP2 307 | 1<br>2<br>5a | 8HP1 107<br>8HP5 312<br>8HP1 227 |
| | 630 | 630 | 3 × NH3 2 × 185 mm², N/PE[4] | 8HP2 318 | 1<br>2<br>5b | 8HP1 107<br>8HP5 314<br>8HP1 247 |

© Siemens AG 2010



# Single Enclosures

## Enclosures with LV HRC fuse bases

| Enclosure size | Rated current $I_n$ | Rated operational current $I_e$ | Size of base parts Connection: Main conductor; N/PE conductor | Complete enclosures (delivery in individual components) | Individual components | |
|---|---|---|---|---|---|---|
| | A | A | | Type | Image | Type |
| 3 | 400 | 400 | 3 × NH2 up to 185 mm², N/PE[4] | 8HP2 333 | 1<br>2<br>4a | 8HP1 103<br>8HP5 312<br>8HP1 203 |
| | | | | 8HP2 313 | 1<br>2<br>5a | 8HP1 103<br>8HP5 312<br>8HP1 223 |
| | 630 | 630 | 3 × NH3 up to 185 mm², N/PE[4] | 8HP2 335 | 1<br>2<br>3<br>4a | 8HP1 103<br>8HP5 314<br>8HP1 283<br>8HP1 203 |
| | | | | 8HP2 315 | 1<br>2<br>3<br>5a | 8HP1 103<br>8HP5 314<br>8HP1 283<br>8HP1 223 |

1) PEN connection up to 35 mm², 1 × 8JH4 04 installed. An additional 8JH4 04 terminal can be installed for the 5th conductor.

2) PEN connection up to 35 mm², 1 × 8JH4 043 installed. An additional 8JH4 043 terminal can be installed for the 5th conductor.

3) PEN connection up to 70 mm², 1 × 8JK4 01 installed. An additional 8JK4 01 terminal can be installed for the 5th conductor.

4) N/PE conductors must be passed through uncut.

8

## Selection and ordering data



8HP2 302

| Version | | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Enclosures with LV HRC fuse bases** | | | | | | | | | |
| Versions | Enclosure size | LV HRC fuse bases | Rated current $I_n$ in A | | | | | | |
| • With transparent cover | 1 | 3 × NH00 | 160 | A | **8HP2 300** | | 1 | 1 | 046 |
| | 2 | 3 × NH00 | 160 | A | **8HP2 301** | | 1 | 1 | 046 |
| | | 6 × NH00 | 160 | A | **8HP2 302** | | 1 | 1 | 046 |
| | | 3 × NH1 | 250 | A | **8HP2 311** | | 1 | 1 | 046 |
| | | 3 × NH2 | 400 | A | **8HP2 312** | | 1 | 1 | 046 |
| | | 3 × NH3 | 630 | A | **8HP2 314** | | 1 | 1 | 046 |
| | 2.5 | 3 × NH1 | 250 | A | **8HP2 306** | | 1 | 1 | 046 |
| | | 3 × NH2 | 400 | A | **8HP2 307** | | 1 | 1 | 046 |
| | | 3 × NH3 | 630 | A | **8HP2 318** | | 1 | 1 | 046 |
| | 3 | 3 × NH2 | 400 | A | **8HP2 313** | | 1 | 1 | 046 |
| | | 3 × NH3 | 630 | A | **8HP2 315** | | 1 | 1 | 046 |
| • With opaque cover | 1 | 3 × NH00 | 160 | A | **8HP2 320** | | 1 | 1 | 046 |
| | 2 | 3 × NH00 | 160 | A | **8HP2 321** | | 1 | 1 | 046 |
| | | 6 × NH00 | 160 | A | **8HP2 322** | | 1 | 1 | 046 |
| | | 3 × NH1 | 250 | A | **8HP2 331** | | 1 | 1 | 046 |
| | | 3 × NH2 | 400 | A | **8HP2 332** | | 1 | 1 | 046 |
| | | 3 × NH3 | 630 | A | **8HP2 334** | | 1 | 1 | 046 |
| | 3 | 3 × NH2 | 400 | A | **8HP2 333** | | 1 | 1 | 046 |
| | | 3 × NH3 | 630 | A | **8HP2 335** | | 1 | 1 | 046 |
| **Individual components** | | | | | | | | | |
| **For enclosure base parts, see page 8/10.** | | | | | | | | | |
| **Complete assembly kits** | | | | | | | | | |
| Enclosure size | LV HRC fuse bases | Rated current $I_n$ in A | | | | | | | |
| 1 | 3 × NH00 | 160 | | A | **8HP5 300** | | 1 | 1 | 046 |
| 2 | 3 × NH00 | 160 | | A | **8HP5 301** | | 1 | 1 | 046 |
| | 6 × NH00 | 160 | | A | **8HP5 302** | | 1 | 1 | 046 |
| | 3 × NH2 | 400 | | A | **8HP5 312** | | 1 | 1 | 046 |
| | 3 × NH3 | 630 | | A | **8HP5 314** | | 1 | 1 | 046 |
| 2.5 | 3 × NH1 | 250 | | A | **8HP5 311** | | 1 | 1 | 046 |
| | 3 × NH2 | 400 | | A | **8HP5 312** | | 1 | 1 | 046 |
| | 3 × NH3 | 630 | | A | **8HP5 314** | | 1 | 1 | 046 |
| 3 | 3 × NH2 | 400 | | A | **8HP5 312** | | 1 | 1 | 046 |
| | 3 × NH3 | 630 | | A | **8HP5 314** | | 1 | 1 | 046 |
| **Intermediate frames, opaque and transparent covers, see page 8/10.** | | | | | | | | | |
| **For terminal blocks, see page 8/33.** | | | | | | | | | |

For accessories, see page 8/27 ff.

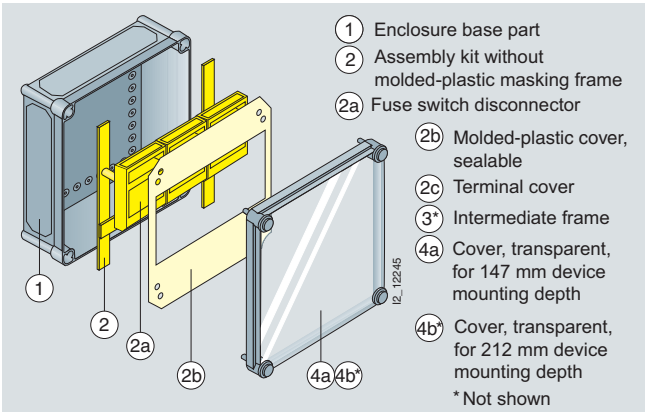
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Complete enclosures with integrated fuse switch disconnectors.
- Transparent cover with quick-acting locking screws.
- Terminals:
  – 3NP40 1: Tunnel terminal,
  – 3NP4.: Cable lug connection,
  – 3NP52: Terminal clamp
  – 3NP53: M10 terminal screws.
- For LV HRC fuse switch disconnectors, see Catalog LV 1 "Switching and Protecting with SENTRON – Switch Disconnectors".
- For LV HRC fuse links, see Catalog ET B1.




| Enclosure size | Rated current $I_n$ | Rated operational current $I_e$ | Size of fuse switch disconnectors/ Connection: Main conductor; N/PE conductor | Complete enclosures (delivery in individual components, for scope of delivery, please refer to the column "Individual components") | Individual components | | Contained in the type number "Complete enclosure" | |
|---|---|---|---|---|---|---|---|---|
| | A | A | | Type | Image | Type | Yes | No |
| 1 | 160 | 145 | 1 × NH000 up to 50 mm², N/PE[1] | 8HP2 437 | 1 | 8HP1 101 | ✔ | -- |
| | | | | | 2 | 8HP5 413 | ✔ | -- |
| | | | | | 2a | 3NP40 10-0CH01[5] | ✔ | -- |
| | | | | | 2b | 8HP6 431 | -- | ✔ |
| | | | | | 4a | 8HP1 221 | ✔ | -- |
| | | | 1 × NH00 up to 50 mm², N/PE[2] | 8HP2 438 | 1 | 8HP1 101 | ✔ | -- |
| | | | | | 2 | 8HP5 411 | ✔ | -- |
| | | | | | 2a | 3NP40 70-0CH01 | ✔ | -- |
| | | | | | 2b | 8HP6 422 | -- | ✔ |
| | | | | | 4a | 8HP1 221 | ✔ | -- |
| 2 | 160 | 145 | 2 × NH000 up to 50 mm², N/PE[1] | 8HP2 440 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 414 | ✔ | -- |
| | | | | | 2a | 2 × 3NP40 10-0CH01[5] | ✔ | -- |
| | | | | | 2b | 8HP6 432 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | | | 3 × NH000 up to 50 mm², N/PE[1] | 8HP2 441 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 414 | ✔ | -- |
| | | | | | 2a | 3 × 3NP40 10-0CH01[5] | ✔ | -- |
| | | | | | 2b | 8HP6 432 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | | | 1 × NH00 up to 50 mm², N/PE[3] | 8HP2 442 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 3NP40 70-0CH01 | ✔ | -- |
| | | | | | 2b | 8HP6 423 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | | | 2 × NH00 up to 50 mm², N/PE[3] | 8HP2 443 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 2 × 3NP40 70-0CH01 | ✔ | -- |
| | | | | | 2b | 8HP6 424 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | | 160 | 1 × NH00 up to 50 mm², N/PE[3] | 8HP2 405 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 3NP50 60-0CB00 | ✔ | -- |
| | | | | | 2b | 8HP6 404 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | 250 | 225 | 1 × NH1 up to 120 mm², N/PE[2] | 8HP2 410 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 422 | ✔ | -- |
| | | | | | 2a | 3NP52 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 | -- | ✔ |
| | | | | | 4b | 8HP1 232 | ✔ | -- |
| | | | 1 × NH1 up to 120 mm², N/PE[4] | 8HP2 444 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 421 | ✔ | -- |
| | | | | | 2a | 3NP42 70-0CA01[6] | ✔ | -- |
| | | | | | 2b | 8HP6 427 | -- | ✔ |
| | | | | | 4a | 8HP1 222 | ✔ | -- |
| | 400 | 360 | 1 × NH2 up to 240 mm², N/PE[2] | 8HP2 414 | 1 | 8HP1 102 | ✔ | -- |
| | | | | | 2 | 8HP5 422 | ✔ | -- |
| | | | | | 2a | 3NP53 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 | -- | ✔ |
| | | | | | 4b | 8HP1 232 | ✔ | -- |

© Siemens AG 2010



# Single Enclosures

## Enclosures with fuse switch disconnectors, 160 A ... 630 A

| Enclosure size | Rated current $I_n$ | Rated operational current $I_e$ | Size of fuse switch disconnectors/ Connection: Main conductor; N/PE conductor | Complete enclosures (delivery in individual components, for scope of delivery, please refer to the column "Individual components") | Individual components | | Contained in the type number "Complete enclosure" | |
|---|---|---|---|---|---|---|---|---|
| | A | A | | Type | Image | Type | Yes | No |
| 2.5 | 160 | 145 | 1 × NH00 up to 50 mm², N/PE[3] | 8HP2 445 | 1 | 8HP1 107 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 3NP40 10-0CH01 | ✔ | -- |
| | | | | | 2b | 8HP6 423 | -- | ✔ |
| | | | | | 4a | 8HP1 227 | ✔ | -- |
| | | | 2 × NH00 up to 50 mm², N/PE[3] | 8HP2 446 | 1 | 8HP1 107 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 2 × 3NP40 70-0CH01 | ✔ | -- |
| | | | | | 2b | 8HP6 424 | -- | ✔ |
| | | | | | 4a | 8HP1 227 | ✔ | -- |
| | | 160 | 1 × NH00 up to 50 mm², N/PE[3] | 8HP2 426 | 1 | 8HP1 107 | ✔ | -- |
| | | | | | 2 | 8HP5 415 | ✔ | -- |
| | | | | | 2a | 3NP50 60-0CB00 | ✔ | -- |
| | | | | | 2b | 8HP6 404 | -- | ✔ |
| | | | | | 4a | 8HP1 227 | ✔ | -- |
| | 250 | 225 | 1 × NH1 up to 120 mm², N/PE[4] | 8HP2 447 | 1 | 8HP1 107 | ✔ | -- |
| | | | | | 2 | 8HP5 421 | ✔ | -- |
| | | | | | 2a | 3NP42 70-0CA01[6] | ✔ | -- |
| | | | | | 2b | 8HP6 427 | -- | ✔ |
| | | | | | 4a | 8HP1 227 | ✔ | -- |
| 3 | 250 | 250 | 1 × NH1 up to 120 mm², N/PE[2] | 8HP2 411 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 422 | ✔ | -- |
| | | | | | 2a | 3NP52 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 | -- | ✔ |
| | | | | | 3 | 8HP1 283 | ✔ | -- |
| | | | | | 4b | 8HP1 223 | ✔ | -- |
| | | | 1 × NH1 up to 120 mm², N/PE[7] | 8HP2 448 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 423 | ✔ | -- |
| | | | | | 2a | 3NP42 70-0CA01[6] | ✔ | -- |
| | | | | | 2b | 8HP6 428 | -- | ✔ |
| | | | | | 4a | 8HP1 223 | ✔ | -- |
| | | | 1 × NH1 up to 120 mm², N/PE[7] | 8HP2 412 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 423 | ✔ | -- |
| | | | | | 2a | 3NP52 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 | -- | ✔ |
| | | | | | 3 | 8HP1 283 | ✔ | -- |
| | | | | | 4b | 8HP1 223 | ✔ | -- |
| | 400 | 400 | 1 × NH2 up to 240 mm², N/PE[2] | 8HP2 415 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 422 | ✔ | -- |
| | | | | | 2a | 3NP53 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 or | -- | ✔ |
| | | | | | 2c | 3TX6 546-3B | -- | ✔ |
| | | | | | 3 | 8HP1 283 | ✔ | -- |
| | | | | | 4b | 8HP1 223 | ✔ | -- |
| | | | 1 × NH2 up to 240 mm², N/PE[7] | 8HP2 416 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 423 | ✔ | -- |
| | | | | | 2a | 3NP53 60-0CA00 | ✔ | -- |
| | | | | | 2b | 8HP6 406 or | -- | ✔ |
| | | | | | 2c | 3TX6 546-3B | -- | ✔ |
| | | | | | 3 | 8HP1 283 | ✔ | -- |
| | | | | | 4b | 8HP1 223 | ✔ | -- |
| | 630 | 600 | 1 × NH3 up to 2 × 240 mm², N/PE[7] | 8HP2 417 | 1 | 8HP1 103 | ✔ | -- |
| | | | | | 2 | 8HP5 424 | ✔ | -- |
| | | | | | 2a | 3NP54 60-0CA00 | ✔ | -- |
| | | | | | 2c | 3TX6 546-3B | -- | ✔ |
| | | | | | 3 | 8HP1 283 | ✔ | -- |
| | | | | | 4b | 8HP1 223 | ✔ | -- |

1) 8WA1 205 terminals or 8GF9 318-2 holders can be installed for 2 Cu bars, 6 mm x 6 mm for a 4th and 5th conductor.

2) N/PE conductors must be passed through uncut.

3) 8WA1 205 terminals, 50 mm² can be installed for a 4th and 5th conductor.

4) Mounting option for 2 PEN 8WA1 206 terminals, 95 mm².

5) Fuses with max. 21 mm width (according to IEC 269-2-1 and DIN 43620). For 125 A and 160 A fuses and feeder terminals up to 95 mm², see Catalog LV 1 "Switching and Protecting with SENTRON - Switch Disconnectors".

6) Without 3NY7 120 terminal clamps, see Accessories, page 8/27.

7) Mounting option for 8JK4 04 terminal.

© Siemens AG 2010



## Selection and ordering data

| | Version | Enclosure size | LV HRC fuse bases | Rated current $I_n$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Complete enclosures with fuse switch disconnectors** | | | | | | | | | |
| | Versions | | | | | | | | | |
|  8HP2 441 | • With transparent cover | 1 | 1 × NH000 | 160 | A | **8HP2 437** | | 1 | 1 | 046 |
| | | | 1 × NH00 | 160 | A | **8HP2 438** | | 1 | 1 | 046 |
| | | 2 | 2 × NH000 | 160 | A | **8HP2 440** | | 1 | 1 | 046 |
| | | | 3 × NH000 | 160 | A | **8HP2 441** | | 1 | 1 | 046 |
| | | | 1 × NH00 | 160 | A | **8HP2 442** | | 1 | 1 | 046 |
| | | | 2 × NH00 | 160 | A | **8HP2 443** | | 1 | 1 | 046 |
| | | | 1 × NH00 | 160 | A | **8HP2 405** | | 1 | 1 | 046 |
| | | | 1 × NH1 | 250 | A | **8HP2 410** | | 1 | 1 | 046 |
| | | | 1 × NH1 | 250 | A | **8HP2 444** | | 1 | 1 | 046 |
| | | | 1 × NH2 | 400 | A | **8HP2 414** | | 1 | 1 | 046 |
| | | 2.5 | 1 × NH00 | 160 | A | **8HP2 445** | | 1 | 1 | 046 |
| | | | 2 × NH00 | 160 | A | **8HP2 446** | | 1 | 1 | 046 |
| | | | 1 × NH00 | 160 | A | **8HP2 426** | | 1 | 1 | 046 |
| | | | 1 × NH1 | 250 | A | **8HP2 447** | | 1 | 1 | 046 |
| | | 3 | 1 × NH1 | 250 | A | **8HP2 411** | | 1 | 1 | 046 |
| | | | 1 × NH1 | 250 | A | **8HP2 448** | | 1 | 1 | 046 |
| | | | 1 × NH1 | 250 | A | **8HP2 412** | | 1 | 1 | 046 |
| | | | 1 × NH2 | 400 | A | **8HP2 415** | | 1 | 1 | 046 |
| | | | 1 × NH2 | 400 | A | **8HP2 416** | | 1 | 1 | 046 |
| | | | 1 × NH3 | 630 | A | **8HP2 417** | | 1 | 1 | 046 |
|  8HP6 431 | • Molded-plastic cover, sealable | 1 | for 8HP2 437 | -- | A | **8HP6 431** | | 1 | 1 | 046 |
| | | | for 8HP2 438 | -- | A | **8HP6 422** | | 1 | 1 | 046 |
| | | 2 | for 8HP2 440 | -- | A | **8HP6 432** | | 1 | 1 | 046 |
| | | | for 8HP2 441 | -- | A | **8HP6 432** | | 1 | 1 | 046 |
| | | | for 8HP2 442 | -- | A | **8HP6 423** | | 1 | 1 | 046 |
| | | | for 8HP2 405 | -- | A | **8HP6 404** | | 1 | 1 | 046 |
| | | | for 8HP2 443 | -- | A | **8HP6 424** | | 1 | 1 | 046 |
| | | | for 8HP2 444 | -- | A | **8HP6 427** | | 1 | 1 | 046 |
| | | | for 8HP2 414 | -- | A | **8HP6 406** | | 1 | 1 | 046 |
| | | 2.5 | for 8HP2 445 | -- | A | **8HP6 423** | | 1 | 1 | 046 |
| | | | for 8HP2 426 | -- | A | **8HP6 404** | | 1 | 1 | 046 |
| | | | for 8HP2 446 | -- | A | **8HP6 424** | | 1 | 1 | 046 |
| | | | for 8HP2 447 | -- | A | **8HP6 427** | | 1 | 1 | 046 |
| | | 3 | for 8HP2 448 | -- | A | **8HP6 428** | | 1 | 1 | 046 |
| | | | for 8HP2 410 up to 8HP2 412, 8HP2 415 up to 8HP2 417 | -- | A | **8HP6 406** | | 1 | 1 | 046 |

### Individual components

**For enclosure bases, intermediate frames and transparent covers**
**see page 8/10.**

**Assembly kits without molded-plastic cover**

| Enclosure size | LV HRC fuse bases | Rated current $I_n$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 × NH000 | 160 | A | **8HP5 413** | | 1 | 1 | 046 |
| | 1 × NH00 | 160 | A | **8HP5 411** | | 1 | 1 | 046 |
| 2 | 2 × NH000 | 160 | A | **8HP5 414** | | 1 | 1 | 046 |
| | 3 × NH000 | 160 | A | **8HP5 415** | | 1 | 1 | 046 |
| | 1 × NH1 | 250 | A | **8HP5 422** | | 1 | 1 | 046 |
| | 1 × NH1 | 250 | A | **8HP5 421** | | 1 | 1 | 046 |
| 2.5 | 1 × NH00 | 160 | A | **8HP5 415** | | 1 | 1 | 046 |
| | 1 × NH1 | 250 | A | **8HP5 421** | | 1 | 1 | 046 |
| 3 | 1 × NH1 | 250 | A | **8HP5 422** | | 1 | 1 | 046 |
| | 1 × NH2 | 400 | A | **8HP5 423** | | 1 | 1 | 046 |
| | 1 × NH3 | 630 | A | **8HP5 424** | | 1 | 1 | 046 |

**For 3NP fuse switch disconnectors and 3TX6 terminal covers**
**see Catalog LV 1 "Switching and Protecting with SENTRON – Switch Disconnectors".**

For accessories, see page 8/27 ff.

For fuse switch disconnectors for busbar mounting, see Accessories, page 8/31.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Single Enclosures

## Meter enclosures

### Overview

- Enclosure incl. support rails for meters or ISO meter support plate with meter fixing screws.
- Sealing cap can be ordered as an accessory, see page 8/38.
- Distance bolts (15 mm) for raising the meter support plates are included in delivery if cables are routed underneath.

| Enclosure size | Mounting depth | Complete enclosures (delivery in individual components) | Individual components | |
|---|---|---|---|---|
| | mm | Type | Inscription | Type |
| 2 | 137 | 8HP2 622 | Enclosure base parts | 8HP1 102 |
| | 202 | 8HP2 632 | Cover for mounting depth 137 mm | 8HP1 222 |
| | | | Cover for mounting depth 202 mm | 8HP1 232 |
| | | | Mounting rail 2 x | 8JK1 13 |
| | | | Support rail for meter 2 x | 8JH1 41 |
| 2.5 | 145 | 8HP2 627 | Enclosure base parts | 8HP1 107 |
| | 183 | 8HP2 647 | Cover for mounting depth 145 mm | 8HP1 227 |
| | | | Cover for mounting depth 183 mm | 8HP1 247 |
| | | | ISO meter support plate 1 x | 8HP6 111 |
| | 183 | 8HP2 657 | Enclosure base parts | 8HP1 107 |
| | | | Cover for mounting depth 183 mm with hinged window and reach-through guard, lockable with padlock | 8HP1 257 |
| | | | ISO meter support plate 1 x | 8HP6 111 |
| 3 | 145 | 8HP2 623 | Enclosure base parts | 8HP1 103 |
| | 237 | 8HP2 653 | Cover for mounting depth 145 mm | 8HP1 223 |
| | | | Intermediate frame for 237 mm | 8HP1 283 |
| | | | ISO meter support plate 1 x | 8HP6 112 |
| 4 | 145 | 8HP2 624 | Enclosure base parts | 8HP1 104 |
| | 237 | 8HP2 654 | Cover for mounting depth 145 mm | 8HP1 224 |
| | | | Intermediate frame for 237 mm | 8HP1 284 |
| | | | ISO meter support plate 2 x | 8HP6 112 |

### Selection and ordering data



8HP2 623

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Complete meter enclosures** | | | | | | | |
| Enclosure size | Mounting depth in mm | | | | | | |
| 2 | 137 | A | **8HP2 622** | | 1 | 1 | 046 |
| | 202 | A | **8HP2 632** | | 1 | 1 | 046 |
| 2.5 | 145 | A | **8HP2 627** | | 1 | 1 | 046 |
| | 183 | A | **8HP2 647** | | 1 | 1 | 046 |
| | 183[1)] | A | **8HP2 657** | | 1 | 1 | 046 |
| 3 | 145 | A | **8HP2 623** | | 1 | 1 | 046 |
| | 237 | A | **8HP2 653** | | 1 | 1 | 046 |
| 4 | 145 | A | **8HP2 624** | | 1 | 1 | 046 |
| | 237 | A | **8HP2 654** | | 1 | 1 | 046 |
| Footnote | | | | | | | |
| [1)] With hinged window and reach-through guard, lockable with padlock. | | | | | | | |
| **Individual components** | | | | | | | |
| **For enclosure bases, intermediate frames and covers** see page 8/10**.** | | | | | | | |
| **Covers, with hinged window and reach-through guard, lockable with padlock** | | | | | | | |
| Enclosure size | Mounting depth in mm | | | | | | |
| 2.5 | 183 | A | **8HP1 257** | | 1 | 1 | 046 |
| **For support rails for meters** see page 8/36. | | | | | | | |
| **ISO meter support plates** see page 8/38. | | | | | | | |

For accessories, see page 8/27 ff.

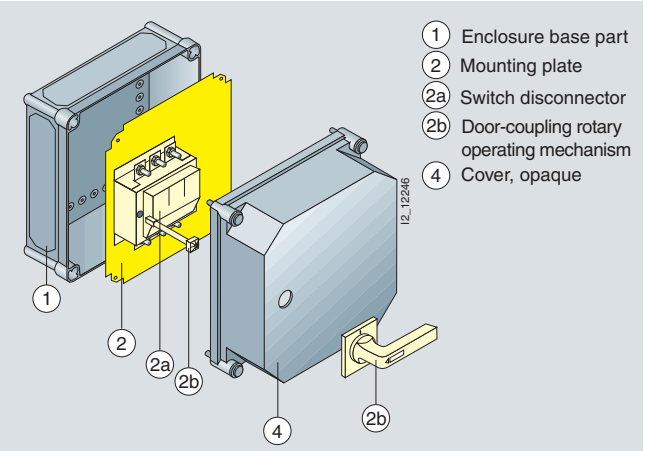
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Enclosures with integrated switch disconnectors as main and EMERGENCY-STOP switch.
- With integrated door-coupling rotary operating mechanism, lockable with padlocks:
  - Operating mechanism version **A**
    Handle: Black
    Display plate: Light gray
  - Operating mechanism version **B**
    EMERGENCY-STOP (handle: red; display plate: yellow).
- For switch disconnectors, see Catalog LV 1 "Switching and Protecting with SENTRON – Switch Disconnectors"




| Enclosure size | Rated current $I_n$ A | Rated operational current $I_e$ A | Rated breaking capacity | Operating mechanism version | Complete enclosures (supplied assembled) Type | W x H x D mm | Cover, deep | With intermediate frames | Equipment | Conductor connections, main conductor (PEN) $mm^2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 63 | 63 | 500 A/660 V (AC-23) | **A** **B** | 8HP2 705 8HP2 742 | 307 x 307 x 212 | -- | -- | 3KA50 switch disconnectors with integrated 8WA1 205 terminal for 4th conductor | Up to 35 (Up to 35)[1] |
| | 125 | 125 | 125 A/690 V (AC-23 A) | **A** **B** | 8HP2 707 8HP2 747 | 307 x 307 x 147 | -- | -- | 3KA52 switch disconnectors with integrated 8WA1 206 terminal for 4th conductor | Up to 70 (Up to 70)[1] |
| | 160 | 160 | 250 A/660 V (AC-23) | **A** **B** | 8HP2 714 8HP2 744 | 307 x 307 x 212 | ✔ | -- | 3KA53 switch disconnectors with integrated 8WA1 206 terminal for 4th conductor | Up to 120 (Up to 70)[1] |
| | 250 | 250 | 800 A/660 V (AC-22) | **A** **B** | 8HP2 732 8HP2 752 | 307 x 307 x 212 | ✔ | -- | 3KE42 switch disconnector with integrated 8JK4 01 terminal for 4th conductor | Up to 150 (Up to 70)[1] |
| | 400 | 400 | 2400 A/660 V (AC-23) | **A** **B** | 8HP2 716 8HP2 746 | 307 x 307 x 212 | ✔ | -- | 3KA57 switch disconnectors | Up to 150 (Up to 70)[1] |
| | | | 1200 A/660 V (AC-22) | **A** **B** | 8HP2 734 8HP2 754 | 307 x 307 x 212 | ✔ | -- | 3KE43 switch disconnectors with integrated 8JK4 04 terminal for 4th conductor | Up to 2 × 150 or 1 × 240 (Up to 1 × 150) |
| 3 | 160 | 160 | 250 A/660 V (AC-23) | **A** **B** | 8HP2 711 8HP2 748 | 307 x 614 x 147 | -- | -- | 3KA53 switch disconnector with integrated 8WA1 206 terminal | Up to 120 (up to 70)[1] |
| | 250 | 250 | 250 A/690 V (AC-23 A) | **A** **B** | 8HP2 712 8HP2 761 | 307 x 614 x 239 | -- | ✔ | 3KA55 switch disconnectors | Up to 150 (up to 70) |
| | | | 800 A/660 V (AC-22) | **A** **B** | 8HP2 733 8HP2 753 | 307 x 614 x 239 | -- | ✔ | 3KE42 switch disconnector with integrated 8JK4 01 terminal for 4th conductor | Up to 150 (Up to 70)[1] |
| | 400 | 400 | 2400 A/660 A (AC-23) | **A** **B** | 8HP2 717 8HP2 762 | 307 x 614 x 239 | -- | ✔ | 3KA57 switch disconnectors | Up to 150 (up to 70) |
| | | | 1200 A/660 V (AC-23) | **A** **B** | 8HP2 735 8HP2 755 | 307 x 614 x 239 | -- | ✔ | 3KE43 switch disconnectors with integrated 8JK4 04 terminal for 4th conductor | Up to 2 × 150 or 1 × 240 (Up to 240) |
| | 630 | 630 | 400 A/690 V (AC-23 B) | **A** **B** | 8HP2 718 8HP2 763 | 307 x 614 x 239 | -- | ✔ | 3KA58 switch disconnectors | Up to 240 (up to 70) |
| | | | 2500 A/660 V (AC-23) | **A** **B** | 8HP2 736 8HP2 756 | 307 x 614 x 239 | -- | ✔ | 3KE44 switch disconnectors with integrated 8JK4 06 terminal for 4th conductor | Up to 240 (up to 150) |
| | 1000 | 800[2] | 2500 A/660 V (AC-23) | **A** **B** | 8HP2 738 8HP2 758 | 307 x 614 x 239 | -- | ✔ | 3KE45 switch disconnectors with integrated 8JK4 06 terminal for 4th conductor | Up to 2 × 240 up to 240 |

[1] An additional identical terminal can be installed for the 5th conductor.

[2] Full load of 800 A only possible with Cu busbars 2 × (30 mm × 10 mm) and infeed Cu 2 × (40 mm × 5 mm) or Cu cable 2 × (3 × 240) $mm^2$.

© Siemens AG 2010



# Single Enclosures

## Enclosures with main and EMERGENCY-STOP switches, 63 A ... 800 A

### Technical specifications

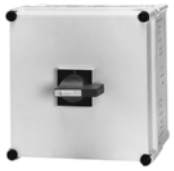
*Rated operational current in different ambient conditions for 3KA and 3KE switch disconnectors*

| Type | 35 °C A | 40 °C A | 45 °C A | 50 °C A | 55 °C A |
|---|---|---|---|---|---|
| 3KE43 | 400 | 385 | 375 | 360 | 350 |
| 3KE44 | 630 | 610 | 585 | 560 | 535 |
| 3KE45 | 800 | 770 | 740 | 700 | 680 |

Up to 55 °C, the 3KA switch disconnectors can be loaded to the specified rated operational current.

### Selection and ordering data

**Complete enclosures with main and EMERGENCY-STOP switches**



8HP2 705

**Main switches**
- Handle: Black
- Display plate: Light gray

| Enclosure size | Switch disconnectors | Rated operational current $I_e$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| 2 | 3KA50 | 63 | C | **8HP2 705** | | 1 | 1 | 046 |
| | 3KA52 | 125 | C | **8HP2 707** | | 1 | 1 | 046 |
| | 3KA53 | 160 | C | **8HP2 714** | | 1 | 1 | 046 |
| | 3KE42 | 250 | C | **8HP2 732** | | 1 | 1 | 046 |
| | 3KA57 | 400 | C | **8HP2 716** | | 1 | 1 | 046 |
| | 3KE43 | 400 | C | **8HP2 734** | | 1 | 1 | 046 |
| 3 | 3KA53 | 160 | C | **8HP2 711** | | 1 | 1 | 046 |
| | 3KA55 | 250 | C | **8HP2 712** | | 1 | 1 | 046 |
| | 3KE42 | 250 | C | **8HP2 733** | | 1 | 1 | 046 |
| | 3KA57 | 400 | C | **8HP2 717** | | 1 | 1 | 046 |
| | 3KE43 | 400 | C | **8HP2 735** | | 1 | 1 | 046 |
| | 3KA58 | 630 | C | **8HP2 718** | | 1 | 1 | 046 |
| | 3KE44 | 630 | C | **8HP2 736** | | 1 | 1 | 046 |
| | 3KE45 | 800 | C | **8HP2 738** | | 1 | 1 | 046 |

**EMERGENCY-STOP switches**
- Handle: Red
- Display plate: Yellow

| Enclosure size | Switch disconnectors | Rated operational current $I_e$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| 2 | 3KA50 | 63 | C | **8HP2 742** | | 1 | 1 | 046 |
| | 3KA52 | 125 | C | **8HP2 747** | | 1 | 1 | 046 |
| | 3KA53 | 160 | C | **8HP2 744** | | 1 | 1 | 046 |
| | 3KE42 | 250 | C | **8HP2 752** | | 1 | 1 | 046 |
| | 3KA57 | 400 | C | **8HP2 746** | | 1 | 1 | 046 |
| | 3KE43 | 400 | C | **8HP2 754** | | 1 | 1 | 046 |
| 3 | 3KA53 | 160 | C | **8HP2 748** | | 1 | 1 | 046 |
| | 3KA55 | 250 | C | **8HP2 761** | | 1 | 1 | 046 |
| | 3KE42 | 250 | C | **8HP2 753** | | 1 | 1 | 046 |
| | 3KA57 | 400 | C | **8HP2 762** | | 1 | 1 | 046 |
| | 3KE43 | 400 | C | **8HP2 755** | | 1 | 1 | 046 |
| | 3KA58 | 630 | C | **8HP2 763** | | 1 | 1 | 046 |
| | 3KE44 | 630 | C | **8HP2 756** | | 1 | 1 | 046 |
| | 3KE45 | 800 | C | **8HP2 758** | | 1 | 1 | 046 |

For accessories, see page 8/27 ff.



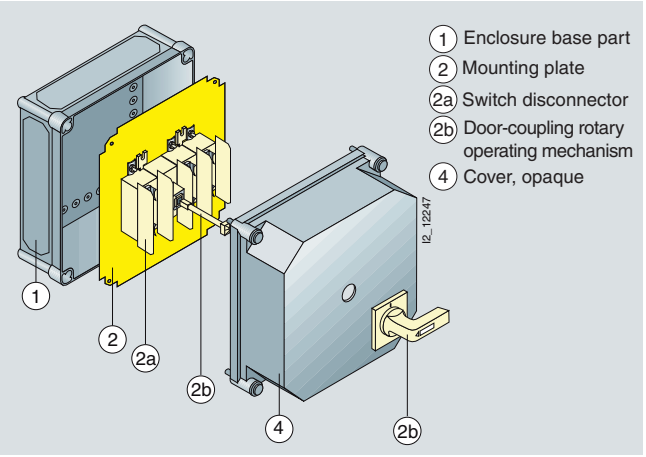
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

- Enclosures with switch disconnectors and mounted NH fuse systems.
- With motor switching capacity and disconnector characteristics, can be used as main and EMERGENCY-STOP switch to DIN VDE 0113.
- With integrated door-coupling rotary operating mechanism, lockable with padlocks:
  - Operating mechanism version **A**
    Handle: Black
    Display plate: Light gray
  - Operating mechanism version **B**
    EMERGENCY-STOP (handle: red; display plate: yellow).
- LV HRC fuse links must be ordered separately, see Catalog ET B1.
- For switch disconnectors with fuses, see Catalog LV 1 "Switching and Protecting with SENTRON – Switch Disconnectors with Fuses".




| Enclosure size | Rated current $I_n$ A | Rated operational current $I_e$ A | Rated breaking capacity | Operating mechanism version (see above) | Complete enclosures (supplied assembled) | Equipment | Conductor connections main conductor (PEN) mm² |
|---|---|---|---|---|---|---|---|
| 2 | 63 | 63 | 500 A/660 V (AC-23) | **A** **B** | 8HP2 710 8HP2 741 | 3KL50 (NH00) switch disconnectors with fuses with integrated 8WA1 205 terminal for 4th conductor[1)] | Up to 35 (up to 35) |
| | 125 | 125 | 800 A/660 V (AC-23) | **A** **B** | 8HP2 713 8HP2 743 | 3KL52 (NH00) switch disconnectors with fuses with integrated 8WA1 206 terminal for 4th conductor[1)] | Up to 70 with M6 cable lugs (Up to 35) |
| | 250 | 250 | 2000 A/660 V (AC-23) | **A** **B** | 8HP2 715 8HP2 745 | 3KL55 (NH1) switch disconnector with fuses | Up to 150 with M10 cable lugs (Up to 120 with M10 cable lugs) |

1) An additional identical terminal can be installed for the 5th conductor.

## Selection and ordering data

### Complete enclosures with switch disconnectors with fuses (without fuse links)

**Main switches**
- Handle: Black
- Display plate: Light gray

| Enclosure size | Switch disconnectors | Rated current $I_n$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| 2 | 3KL50[1)] | 63 | C | **8HP2 710** | | 1 | 1 | 046 |
| | 3KL52 | 125 | C | **8HP2 713** | | 1 | 1 | 046 |
| | 3KL55 | 250 | C | **8HP2 715** | | 1 | 1 | 046 |

Footnote
1) 8WA1 205 terminal installed for 4th conductor. An additional identical terminal can be installed for the 5th conductor.

**EMERGENCY-STOP switches**
- Handle: Red
- Display plate: Yellow

| Enclosure size | Switch disconnectors | Rated current $I_n$ in A | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| 2 | 3KL50[1)] | 63 | C | **8HP2 741** | | 1 | 1 | 046 |
| | 3KL52 | 125 | C | **8HP2 743** | | 1 | 1 | 046 |
| | 3KL55 | 250 | C | **8HP2 745** | | 1 | 1 | 046 |

Footnote
1) 8WA1 205 terminal installed for 4th conductor. An additional identical terminal can be installed for the 5th conductor.

For accessories, see page 8/27 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Assembly kits for load break and parallel switches

## Overview

***Assembly kit for load break switches, 250 A to 630 A***
***Assembly kit for parallel switches, 500 A to 1000 A***

| Enclosure size | Rated current $I_n$ | Rated operational current $I_e$ | Switch disconnector/ main conductor connection | Individual components | | | |
|---|---|---|---|---|---|---|---|
| | | | | Enclosure base parts/covers/ intermediate frames | Switch disconnectors | Assembly kits | Type |
| | A | A | | Type | Type | | |
| 4 | 250 (500)[1] | 250 (500)[1] | 3KE42<br>1 × 150 mm² | 8HP1 104<br>8HP1 204<br>2 × 8HP1 284 | 2 × 3KE42 30-0AA | With changeover contact mechanism<br>or<br>with shifting linkage for parallel switching | 8HP5 458<br>8HP5 457 |
| | 400 (800)[1] | 400 (630)[1] | 3KE43<br>2 × 150 mm² | 8HP1 104<br>8HP1 204<br>2 × 8HP1 284 | 2 × 3KE43 30-0AA | With changeover contact mechanism<br>or<br>with shifting linkage for parallel switching | 8HP5 458<br>8HP5 457 |
| | 630 (1260)[1] | 630 (1000)[1] | 3KE44<br>2 × 240 mm² | 8HP1 104<br>8HP1 204<br>2 × 8HP1 284 | 2 × 3KE44 30-0AA | With changeover contact mechanism<br>or<br>with shifting linkage for parallel switching | 8HP5 458<br>8HP5 457 |

[1] Values in brackets apply to parallel switches. For thermal reasons the rated operational current is reduced to approximately 80 % of the rated current.

8

## Selection and ordering data

| Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|
| | | | | Unit(s) | Unit(s) | |
| **Assembly kits for load break switches and parallel switches** | | | | | | |
| Versions | | | | | | |
| • Enclosure base parts | A | **8HP1 104** | | 1 | 1 | 046 |
| • Covers | A | **8HP1 204** | | 1 | 1 | 046 |
| • Intermediate frames | A | **8HP1 284** | | 1 | 1 | 046 |
| • Switch disconnectors | | | | | | |
| - 250 A (500 A)[1] | B | **3KE42 30-0AA** | | 1 | 1 | 103 |
| - 400 A (800 A)[1] | B | **3KE43 30-0AA** | | 1 | 1 | 103 |
| - 630 A (1260 A)[1] | B | **3KE44 30-0AA** | | 1 | 1 | 103 |
| • Assembly kits | | | | | | |
| - With changeover contact mechanism[2] | A | **8HP5 458** | | 1 | 1 | 046 |
| - With shifting linkage for parallel switching | A | **8HP5 457** | | 1 | 1 | 046 |
| Note | | | | | | |
| • The assembly kit must be ordered as individual components (enclosure base, covers, 2 x intermediate frames, 2 x 3KE switch disconnectors and required assembly kit).<br>• The switches must be connected using copper busbars or NYA cables.<br>• The "break-before-make" version of the changeover contact is supplied. | | | | | | |
| Footnote | | | | | | |
| [1] Values in brackets apply to parallel switches. For thermal reasons the rated operational current is reduced to approximately 80 % of the rated current. | | | | | | |
| [2] The "break-before-make" version of the changeover contact is supplied. If the "make-before-break" version is required, a **"-Z"** must be added to the Order No. and **"make-before-break"** specified in plain text. | | | | | | |

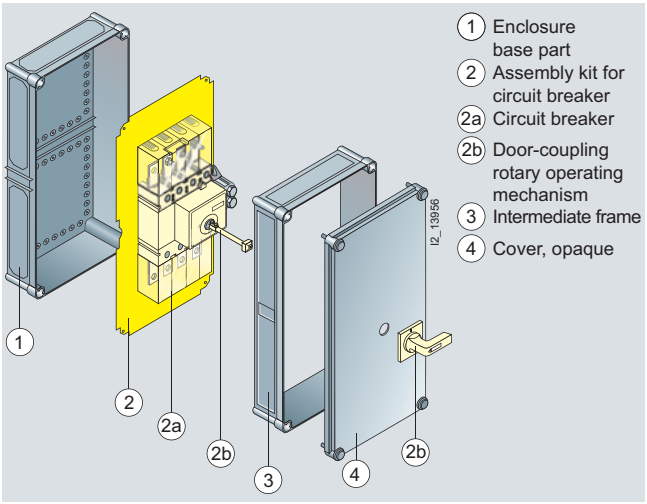
For accessories, see page 8/27 ff.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Design




ALPHA 8HP, diagram of enclosure with 3VL circuit breakers

### *Features*

- Enclosure complete with in-built 3VL circuit breaker, door-coupling rotary operating mechanism in black and terminals
- Terminal covers and connecting bars for safe use with maximum possible rated current
- All circuit breakers in size 3 enclosure with intermediate frame
- Opaque covers
- Emergency-Stop operating mechanisms on request

### *Mounting instructions*

- Caution: The distribution board must be installed in accordance with the data in the table
- Minimum volume (see table) of the flange-mounted distribution board on the enclosure with 3VL to accommodate the switching pressure on tripping (the supplementary enclosure does not have to be an empty enclosure)
- Values valid for rated voltage of 415 V AC

| Rated current $I_n$ | Short-circuit strength $I_k$ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 10 kA | | 20 kA | | 27 kA | | 40 kA | |
| 63 A | 2 | Min. enclosure volume 65 dm³ (e.g. enclosure with 3VL plus size 2 top with high cover) | 3 | Min. enclosure volume 90 dm³ (e.g. enclosure with 3VL plus size 3 top with intermediate frame) | 3 | Min. enclosure volume 90 dm³ (e. g. enclosure with 3VL plus size 3 top with intermediate frame) | 3 | Min. enclosure volume 90 dm³ (e.g. enclosure with 3VL plus size 3 top with intermediate frame) |
| | 3 | | 3 | | 3 | | 3 | |
| 100 A | 2 | Min. enclosure volume 65 dm³ (e. g. enclosure with 3VL plus size 2 top with high cover) | 3 | Min. enclosure volume 90 dm³ (e.g. enclosure with 3VL plus size 3 top with intermediate frame) | 3 | Min. enclosure volume 90 dm³ (e.g. enclosure with 3VL plus size 3 top with intermediate frame) | 4 | Min. enclosure volume 135 dm³ (e.g. enclosure with 3VL plus size 4 top with intermediate frame) |
| | 3 | | 3 | | 3 | | 3 | |
| 160 A | 2 | Min. enclosure volume 65 dm³ (e.g. enclosure with 3VL plus size 2 top with high cover) | 3 | Min. enclosure volume 90 dm³ (e. g. enclosure with 3VL plus size 3 top with intermediate frame) | 3 | Min. enclosure volume 90 dm³ (e.g. enclosure with 3VL plus size 3 top with intermediate frame) | 4 | Min. enclosure volume 135 dm³ (e.g. enclosure with 3VL plus size 4 top with intermediate frame) |
| | 3 | | 3 | | 3 | | 3 | |
| 250 A | 2 | Min. enclosure volume 65 dm³ (e.g. enclosure with 3VL plus size 2 top with high cover) | 4 | Min. enclosure volume 135 dm³ (e.g. enclosure with 3VL plus size 4 top with intermediate frame) | 4 | Min. enclosure volume 135 dm³ (e.g. enclosure with 3VL plus size 4 top with intermediate frame) | 3 | Min. enclosure volume 180 dm³ (e.g. enclosure with 3VL plus size 4 top, plus size 3 transverse, with intermediate frame) |
| | 3 | | 3 | | 3 | | 4 | |
| | | | | | | | 3 | |

Legend:
Dark blue identifies enclosures with 3VL.

© Siemens AG 2010



## Enclosures with in-built 3VL circuit breakers

### Technical specifications

| Order No. | Rated current | Release | Poles | Order No. of in-built circuit-breaker |
|---|---|---|---|---|
| 8HP2 200-1 | 63 A | TM | 3-pole | 3VL1 706-1DA33-0AA0 |
| 8HP2 200-2 | 63 A | Electronic | 3-pole | 3VL2 706-1AB33-0AA0 |
| 8HP2 200-3 | 63 A | TM | 4-pole | 3VL1 706-1EH43-0AA0 |
| 8HP2 200-4 | 63 A | Electronic | 4-pole | 3VL2 706-1BA43-0AA0 |
| 8HP2 201-1 | 100 A | TM | 3-pole | 3VL1 710-1DA33-0AA0 |
| 8HP2 201-2 | 100 A | Electronic | 3-pole | 3VL2 710-1AB33-0AA0 |
| 8HP2 201-3 | 100 A | TM | 4-pole | 3VL1 710-1EH43-0AA0 |
| 8HP2 201-4 | 100 A | Electronic | 4-pole | 3VL2 710-1BA43-0AA0 |
| 8HP2 202-1 | 160 A | TM | 3-pole | 3VL1 716-1DA33-0AA0 |
| 8HP2 202-2 | 160 A | Electronic | 3-pole | 3VL2 716-1AB33-0AA0 |
| 8HP2 202-3 | 160 A | TM | 4-pole | 3VL1 716-1EH43-0AA0 |
| 8HP2 202-4 | 160 A | Electronic | 4-pole | 3VL2 716-1BA43-0AA0 |
| 8HP2 203-1 | 250 A | TM | 3-pole | 3VL3 725-1DC33-0AA0 |
| 8HP2 203-2 | 250 A | Electronic | 3-pole | 3VL3 725-1AB33-0AA0 |
| 8HP2 203-3 | 250 A | TM | 4-pole | 3VL3 725-1EC43-0AA0 |
| 8HP2 203-4 | 250 A | Electronic | 4-pole | 3VL3 725-1BA43-0AA0 |



### Selection and ordering data



8HP2 202-3

**Enclosures with in-built 3VL circuit breakers**
- Size 3
- With intermediate frame
- With rotary operating mechanism and terminal cover

| Version | Type | Rated current $I_n$ A | Poles | Release | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|
| | • Without connecting bars | 63 | 3 | TM | A | **8HP2 200-1** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 200-2** | | 1 | 1 | 046 |
| | | | 4 | TM | A | **8HP2 200-3** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 200-4** | | 1 | 1 | 046 |
| | | 100 | 3 | TM | A | **8HP2 201-1** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 201-2** | | 1 | 1 | 046 |
| | | | 4 | TM | A | **8HP2 201-3** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 201-4** | | 1 | 1 | 046 |
| | • With connecting bars | 160 | 3 | TM | A | **8HP2 202-1** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 202-2** | | 1 | 1 | 046 |
| | | | 4 | TM | A | **8HP2 202-3** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 202-4** | | 1 | 1 | 046 |
| | | 250 | 3 | TM | A | **8HP2 203-1** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 203-2** | | 1 | 1 | 046 |
| | | | 4 | TM | A | **8HP2 203-3** | | 1 | 1 | 046 |
| | | | | Electronic | A | **8HP2 203-4** | | 1 | 1 | 046 |
| Note | | | | | | | | | | |
| Please refer to the table containing information on installing the distribution board (see page 8/25). | | | | | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| | **Busbar supports** | | | | | | | |
| | For copper busbars | Rated current of copper busbars (85 °C) | | | | | | |
|  8HP1 701 | • 12 mm × 5 mm<br>• 2 × (12 mm × 5 mm) | 250 A<br>400 A | A | **8HP1 701** | | 1 | 1 | 046 |
|  8HP1 704 | • 20 mm × 8 mm<br>• 2 × (20 mm × 8 mm) | 400 A<br>630 A | A | **8HP1 704** | | 1 | 1 | 046 |
|  8HP1 703 | • 2 × (30 mm × 10 mm) | 1000 A | A | **8HP1 703** | | 1 | 1 | 046 |
|  8HP1 706 | **Support brackets**<br>• 1 set = 2 support brackets<br>• For mounting freestanding 8HP1 70 busbar supports<br>• Shown in adjacent illustration with integrated busbar supports | | A | **8HP1 706** | | 1 | 1 | 046 |
|  8HP1 708 | **Partitions**<br>As end plate and barrier | | A | **8HP1 708** | | 1 | 1 | 046 |
|  8HP1 707 | **Connecting lugs**<br>For retaining angle for detached busbar supports | | A | **8HP1 707** | | 1 | 1 | 046 |
|  8US1 921 | **Incoming and outgoing terminals for busbars, 12 mm × 5 mm or 2 × (12 mm × 5 mm)** | | | | | | | |
| | Conductor cross-section (solid or stranded) | | | | | | | |
| | One busbar | Two busbars | | | | | | |
| | 1.5 ... 16 mm$^2$ | -- | ▶ | **8US1 921-2AA00** | | 100 | 100 | 143 |
| | 10 ... 35 mm$^2$ | -- | ▶ | **8US1 921-2AB00** | | 100 | 50 | 143 |
| | 16 ... 70 mm$^2$ | -- | ▶ | **8US1 921-2AD00** | | 1 | 50 | 143 |
| | 16 ... 120 mm$^2$ | -- | ▶ | **8US1 921-2AC00** | | 1 | 50 | 143 |
|  8JH4 102 | -- | 1.5 ... 16 mm$^2$ | ▶ | **8US1 921-2BA00** | | 1 | 100 | 143 |
| | -- | 10 ... 35 mm$^2$ | ▶ | **8US1 921-2BB00** | | 1 | 50 | 143 |
| | -- | 16 ... 70 mm$^2$ | ▶ | **8US1 921-2BD00** | | 1 | 50 | 143 |
| | -- | 16 ... 120 mm$^2$ | ▶ | **8US1 921-2BC00** | | 1 | 50 | 143 |
|  8JH4 105 | 1.5 ... 16 mm$^2$ | -- | A | **8JH4 102** | | 1 | 10 | 046 |
| | 10 ... 35 mm$^2$ | -- | A | **8JH4 104** | | 1 | 10 | 046 |
| | 16 ... 70 mm$^2$ | 16 ... 35 mm$^2$ | A | **8JH4 105** | | 1 | 10 | 046 |
|  8JK3 061 | 16 ... 95 mm$^2$ | 16 ... 70 mm$^2$ | A | **8JH4 106** | | 1 | 10 | 046 |
| | 25 ... 120 mm$^2$ | 25 ... 50 mm$^2$ | A | **8JK3 061** | | 1 | 10 | 046 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Components for busbar systems

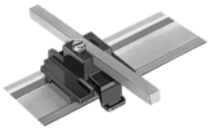
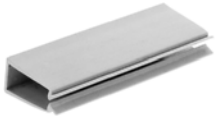
| | Version | | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Incoming and outgoing terminals for busbars 20 × 8 mm or 2 × (20 mm × 8 mm); 2 × (30 mm × 10 mm)** | | | | | | | | | |
| | For busbars | Conductor cross-section (single or stranded) | Clamping points | Conductors per clamping point | | | | | | |
|  8JK3 113 | 20 mm × 8 mm or 2 × (20 mm × 8 mm) | 1.5 ... 10 mm$^2$ | 2 | 2 | A | **8JK3 113** | | 1 | 1 | 046 |
| | | 10 ... 70 mm$^2$ | 2 | 1 | A | **8JK3 143** | | 1 | 1 | 046 |
|  8JK3 143 | | | | | | | | | | |
| | | 50 ... 240 mm$^2$ | 1 | 1 | A | **8JK3 171** | | 1 | 1 | 046 |
|  8JK3 171 | | 50 ... 240 mm$^2$ | 1 | 2 | A | **8JK3 172** | | 1 | 1 | 046 |
|  8JK3 172 | | | | | | | | | | |
|  8JK3 544 | 2 × (30 mm × 10 mm) | 10 ... 70 mm$^2$; in the case of double busbars, divide the terminals alternately between the two bars in order to even the load | -- | -- | A | **8JK3 544** | | 1 | 1 | 046 |
|  8HP1 724 | **Bolt-type screw terminals for cable lugs**<br>• For rails 2 x (30 mm × 10 mm)<br>• Conductor cross-section (single or stranded): M12, up to 2 × 240 mm$^2$ cable lug or bar connection | | | | A | **8HP1 724** | | 1 | 1 | 046 |
| | **Terminals for fuse switch disconnectors**<br>• Conductor cross-section (single or stranded): 70 ... 150 mm$^2$ | | | | A | **3NY7 120** | | 1 | 1 | 103 |

8

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Extension terminals** | | | | | | |
| | Versions | | | | | | |
|  8JK3 201 | • For busbars, 12 x 5 mm<br>- 1 set = 2 terminals<br>- When using single busbars, it is necessary to make a copper connecting piece 12 × 5 mm or 20 × 8 mm<br>- When using 2 × Cu (20 × 8) mm the busbars overlap in the area of the connection point | A | **8JK3 201** | | 1 set | 10 sets | 046 |
|  8JK3 281 | • For busbars, 20 × 8 mm or 2 × (20 × 8 mm)<br>- 1 set = 2 terminals<br>- When using single busbars, it is necessary to make a copper connecting piece 12 mm × 5 mm or 20 mm × 8 mm<br>- When using 2 × Cu (20 mm × 8 mm), the busbars overlap in the area of the connection point. | A | **8JK3 281** | | 1 | 1 | 046 |
|  8HP1 728 | • For busbars, 2 x (30 mm × 10 mm) | A | **8HP1 728** | | 1 | 1 | 046 |
| | **Busbar supports** | | | | | | |
| | Versions / Number / Cross-section / Busbar center-to-center clearance | | | | | | |
|  8US19 23-2AA01 | • Outside fixing, 1 × 3, 12 mm × 5 mm, 60 mm | A | **8US1 923-2AA01** | | 1 | 10 | 143 |
| | • Inside fixing, 1 × 3, 30 mm × 10 mm, 60 mm | A | **8US1 923-3AA01** | | 1 | 10 | 143 |
| | **Holders** | | | | | | |
| | Versions / Number / Cross-section | | | | | | |
|  8JH4 230 | • For PE/N bars for free mounting, 1, 6 mm × 6 mm | A | **8JH4 230** | | 1 | 1 | 046 |
|  8HP6 601 | • For standard mounting rail 35 mm, 1, 6 mm × 6 mm | A | **8HP6 601** | | 1 | 1 | 046 |
|  8GF9 318-2 | • For standard mounting rail 35 mm (1 pair), 2 × 1, 6 mm × 6 mm | A | **8GF9 318-2** | | 1 set | 10 sets | 042 |
| | • Can be screwed on (1 pair), 2 × 1, 6 mm × 6 mm | A | **8GF9 320-1** | | 1 set | 10 sets | 042 |
|  8US1 922-2AA00 | **Cover profiles**<br>• 1000 mm long<br>• 20 ... 30 mm wide | | | | | | |
| | Cross-section | | | | | | |
| | • 5 mm thick | A | **8US1 922-2AA00** | | 1 | 10 | 143 |
| | • 10 mm thick | A | **8US1 922-2BA00** | | 1 | 10 | 143 |

8

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Components for busbar systems



| | Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| | **Incoming and outgoing terminals for busbars 6 mm × 6 mm, 16 mm × 3 mm[1)]** | | | | | | | |
| | For bars mm × mm | Conductor cross-section in $mm^2$ (single or stranded) | | | | | | |
| | 6 × 6 | 1 ... 4 | C | **8WA2 860** | | 1 | 50 | 041 |
| | | 1.5 ... 16 | C | **8WA2 861** | | 1 | 50 | 041 |
| | 6 × 6 | 2.5 ... 16 | A | **8JH4 112** | | 1 | 10 | 046 |
| | | 16 ... 35 | A | **8JH4 114** | | 1 | 10 | 046 |
| | 16 × 3[1)] | 1.5 ... 16 | A | **8JH4 122** | | 1 | 10 | 046 |
| | | 10 ... 35 | A | **8JH4 124** | | 1 | 10 | 046 |
| | | 16 ... 50 | A | **8JH4 125** | | 1 | 10 | 046 |
| | | 10 ... 70 | A | **8JK3 441** | | 1 | 1 | 046 |
| | Footnote | | | | | | | |
| | [1)] For bus-mounting bars and connecting kits for DIAZED assembly kits. | | | | | | | |
| | **Copper busbars**<br>• When the busbar supports are mounted in end cover plates, the length of the busbars is equal to the total of the external dimensions of the busbar enclosure 12 mm<br>• One set = five busbars | | | | | | | |
| | Cross-section in mm | Length | | | | | | |
| | Cu 12 × 5 | for 3 sections, each 307 mm | A | **8HP1 783** | | 1 | 1 | 046 |
| | | for 4 sections, each 307 mm | A | **8HP1 784** | | 1 | 1 | 046 |
| | | for 5 sections, each 307 mm | A | **8HP1 785** | | 1 | 1 | 046 |
| | | for 6 sections, each 307 mm | A | **8HP1 786** | | 1 | 1 | 046 |
| | Cu 20 × 8 | for 3 sections, each 307 mm | A | **8HP1 793** | | 1 | 1 | 046 |
| | | for 4 sections, each 307 mm | A | **8HP1 794** | | 1 | 1 | 046 |
| | | for 5 sections, each 307 mm | A | **8HP1 795** | | 1 | 1 | 046 |
| | | for 6 sections, each 307 mm | A | **8HP1 796** | | 1 | 1 | 046 |
| | **Busbar assembly kits 250 A, 40 mm center-to-center clearance** | | | | | | | |
| | Versions | | | | | | | |
|  8HP1 790 | • For enclosure size 2<br>- 4 × Cu (12 mm × 5 mm)<br>With 4 incoming terminals up to 95 $mm^2$<br>and 4 outgoing terminals up to 16 $mm^2$ | | A | **8HP1 790** | | 1 | 1 | 046 |
|  8HP1 791 | • For enclosure size 3<br>- 4 x Cu (12 mm x 5 mm)<br>With 4 incoming terminals up to 95 $mm^2$<br>- and 8 outgoing terminals up to 16 $mm^2$ | | A | **8HP1 791** | | 1 | 1 | 046 |
| | Note | | | | | | | |
| | • The assembly kits can be connected to each other with 8JK3 201 extension terminals.<br>• The assembly kits can be screwed into the enclosures without the need for openings and end cover plates. | | | | | | | |
| | **Copper busbars, for special versions**<br>• 2.4 m long<br>• Bare | | | | | | | |
| | Cross-section in mm | | | | | | | |
| | • 6 × 6 | | B | **8WC5 120** | | 1 | 1 | 143 |
| | • 12 × 5 | | B | **8WC5 123** | | 1 | 1 | 143 |
| | • 15 × 5 | | B | **8WC5 121** | | 1 | 1 | 143 |
| | • 20 × 5 | | B | **8WC5 126** | | 1 | 1 | 143 |
| | • 20 × 8 | | B | **8WC5 127** | | 1 | 1 | 143 |
| | • 20 × 10 | | B | **8WC5 128** | | 1 | 1 | 143 |
| | • 25 × 5 | | B | **8WC5 131** | | 1 | 1 | 143 |
| | • 30 × 5 | | B | **8WC5 133** | | 1 | 1 | 143 |
| | • 30 × 10 | | B | **8WC5 134** | | 1 | 1 | 143 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  3NP40 15-1CK01 | **Fuse switch disconnectors, for NH000 3NP4 01 fuse links**[1]<br>• For busbar mounting<br>• Enclosures and busbars not included in delivery<br>• Cannot be used as an individual enclosure<br>• For mounting dimensions, see page 8/54.<br>• Enclosure size 2<br>• Rated current $I_n$: 160 A<br>• Rated operational current $I_e$: 145 A<br>• Connection up to 35 mm²<br>• Busbars:<br>- Cu 12 × 5[2] or Cu 12 × 10 with 8HP1 701 busbar supports[3] with 40-mm busbar center-to-center clearance or<br>- 8HP1 790 and 8HP1 791 busbar assembly kits | A | **3NP4 015-1CK01** | | 1 | 1 | 103 |
| | Footnote<br>[1] Fuses with max. 21 mm width, size 000 (according to IEC 269-2-1 and DIN 43620).<br>[2] When using Cu 12 × 5 mm, a 3NY7 381 bar thickness compensation must be used (1 set = 5 components).<br>[3] For 8HP1 70 busbar supports see page 8/27. | | | | | | |
| | **Covers for "Fuse switch disconnectors, for NH000 3NP4 01 fuse links"** | | | | | | |
| | Versions | | | | | | |
| | • Sealable | A | **8HP6 433** | | 1 | 1 | 046 |
| | • Not sealable | A | **8HP6 434** | | 1 | 1 | 046 |
|  3NP40 75-1CE01 | **Fuse switch disconnectors, for NH000 3NP4 07 fuse links**<br>• For busbar mounting<br>• Enclosures and busbars not included in delivery<br>• Cannot be used as an individual enclosure<br>• For mounting dimensions, see page 8/54.<br>• Enclosure size 2<br>• Rated current $I_n$: 160 A<br>• Rated operational current $I_e$: 145 A<br>• Connection up to 120 mm²<br>• Busbars<br>- Cu 12 × 5[1] or Cu 12 × 10 with 8HP1 701 busbar supports[2] with 40-mm busbar center-to-center clearance or<br>- 8HP1 790 and 8HP1 791 busbar assembly kits | | | | | | |
| | Versions | | | | | | |
| | • Connection over cable lugs, top (M8) | A | **3NP40 75-1CE01** | | 1 | 1 | 103 |
| | • Connection over cable lugs, bottom (M8) | A | **3NP40 75-1CF01** | | 1 | 1 | 103 |
| | Footnote<br>[1] When using Cu 12 × 5 mm, a 3NY7 381 bar thickness compensation must be used (1 set = 5 components).<br>[2] For 8HP1 70 busbar supports see page 8/27. | | | | | | |
| | **Covers for "Fuse switch disconnectors, for NH000 3NP407 fuse links"** | | | | | | |
| | Versions | | | | | | |
| | • Single mounting | | | | | | |
| | - Sealable | A | **8HP6 425** | | 1 | 1 | 046 |
| | - Not sealable | A | **8HP6 435** | | 1 | 1 | 046 |
| | • Double mounting | | | | | | |
| | - Sealable | A | **8HP6 426** | | 1 | 1 | 046 |
| | - Not sealable | A | **8HP6 436** | | 1 | 1 | 046 |

8

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Components for busbar systems

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  3NP42 75-1CG01 | **Fuse switch disconnectors, for NH1 3NP4 2 fuse links**[1]<br>• For busbar mounting<br>• Enclosures and busbars not included in delivery<br>• Cannot be used as an individual enclosure<br>• For mounting dimensions, see page 8/54.<br>• Enclosure size 2<br>• Rated current $I_n$: 250 A<br>• Rated operational current $I_e$: 225 A<br>• Connection up to 150 mm$^2$<br>• Busbars<br>- Cu 12 × 5[2] or Cu 12 × 10 with 8HP1 701 busbar supports[3] with 40-mm busbar center-to-center clearance or<br>- 8HP1 790 and 8HP1 791 busbar assembly kits<br>• Connection over cable lug top (M10) and bottom (M10)[4] | A | **3NP42 75-1CG01** | | 1 | 1 | 103 |
| | Footnote<br>[1] Raised cover or intermediate frame required.<br>[2] When using Cu 12 × 5 mm, a 3NY7 381 bar thickness compensation must be used (1 set = 5 components).<br>[3] For 8HP1 70 busbar supports see page 8/27.<br>[4] If mounting on 5-mm busbars, an additional 3NY7 381 busbar thickness compensator is required. | | | | | | |
| | **Covers for "Fuse switch disconnectors, for NH1 3NP4 2 fuse links"** | | | | | | |
| | Versions | | | | | | |
| | • Sealable | A | **8HP6 427** | | 1 | 1 | 046 |
| | • Not sealable | A | **8HP6 437** | | 1 | 1 | 046 |
| | **Fuse switch disconnectors, for NH00 / 2x NH00 / NH1 fuse links from A. Jung, Ostrach**[1]<br>• For busbar mounting<br>• Enclosures and busbars not included in delivery<br>• Cannot be used as an individual enclosure<br>• For mounting dimensions, see page 8/54.<br>• Enclosure size 2<br>• Rated current $I_n$:<br>- 160 A for 8HP4 310 and 8HP4 311<br>- 250 A at 8HP4 314<br>• Rated operational current $I_e$:<br>- 145 A for 8HP4 310 and 8HP4 311<br>- 225 A at 8HP4 314<br>• Connection:<br>- Up to 50 mm$^2$ for 8HP4 310 and 8HP4 311<br>- Up to 120 mm$^2$ for 8HP4 314<br>• Busbars: Cu 20 × 8 or 2 × Cu (20 × 8), with 8HP1 704 busbar support[2] with 49-mm busbar center-to-center clearance | | | | | | |
| | Versions | | | | | | |
| | • NH00 (DTL 160 TSW), incl. 8HP6 411 covers, with clamp connections, top (can be switched to bottom) | A | **8HP4 310** | | 1 | 1 | 046 |
| | • 2x NH00 (DTL 160 TSW), incl. 8HP6 412 covers, with clamp connections, top (can be switched to bottom) | A | **8HP4 311** | | 1 | 1 | 046 |
| | • NH1 (DTL 250 TSW), incl. 8HP6 413 covers, cable lug connections, top M10 (can be switched to bottom)[2] | A | **8HP4 314** | | 1 | 1 | 046 |
| | Footnote<br>[1] Raised cover or intermediate frame required.<br>[2] For 8HP1 70 busbar supports see page 8/27. | | | | | | |

8



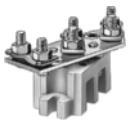
* You can order this quantity or a multiple thereof.

© Siemens AG 2010




8JH4 02

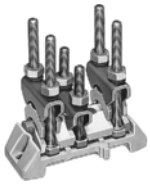

8JH4 04

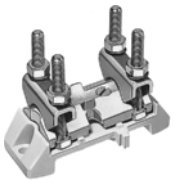

8JH4 043


8JH4 044


8JK4 01


8JK4 04


8JK4 06


8JK4 061

| Version | | | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|---|
| **Base terminals, single-pole, insulated**<br>For conductor connection (single or stranded)[1] | | | | | | | | | | |
| Incoming conductors | | Outgoing conductors | | Tightening torque in Nm | | | | | | |
| Number | Cross-section[2] in mm² | Number | Cross-section[2] in mm² | | | | | | | |
| 2 | 4 ... 10 | 2 | 4 ... 10 | 2.0 | A | **8JH4 02** | | 1 | 1 | 046 |
| 1 | 4 ... 35 | 1 | 4 ... 35 | 2.0 | A | **8JH4 04** | | 1 | 1/25 | 046 |
| 1 | 4 ... 35 | 1 | 4 ... 35 | 2.0 | A | **8JH4 043** | | 1 | 1 | 046 |
| | 4 ... 35 | | 4 ... 35 | 2.0 | A | **8JH4 044** | | 1 | 1 | 046 |
| | 6 ... 70 | | 6 ... 70 | 6.0 | A | **8JK4 01** | | 1 | 1 | 046 |
| 1 or 2 | 35 ... 150<br>6 ... 50 | 1 or 2 | 35 ... 150<br>6 ... 50 | 10.0 | A | **8JK4 04** | | 1 | 1 | 046 |
| 2 | 50 ... 240 | 2 | 50 ... 185 | 6.0 | A | **8JK4 06** | | 1 | 1 | 046 |
| 1 | 50 ... 240 | 1 | 50 ... 240 | 6.0 | A | **8JK4 061** | | 1 | 1 | 046 |
| Footnotes | | | | | | | | | | |
| [1] In the case of finely stranded and very finely stranded conductors, it is sometimes necessary to reduce the maximum cross-section by up to two units. If necessary the conductors must be protected against fanning out by using end sleeves or similar. When connecting Al conductors, commercially available Al-Cu adapter pieces or clamping connections must be used. | | | | | | | | | | |
| [2] When using different cross-sections, the larger conductor must be laid underneath. | | | | | | | | | | |
| **Molded-plastic partitions**<br>For 8JK4 06 and 8JK4 061 terminals | | | | | A | **8JK4 100** | | 1 | 1 | 046 |

8

* You can order this quantity or a multiple thereof.

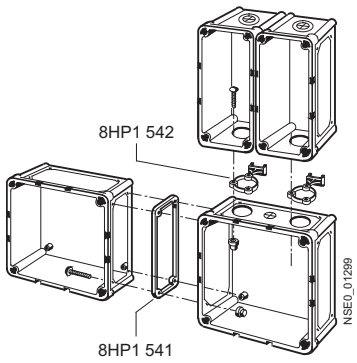
© Siemens AG 2010



# Accessories

## Accessories for enclosures

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8HP1 541 | **Sealing frames** | | | | | | |
| | Versions | | | | | | |
| | • Including locking screws and nuts | A | **8HP1 541** | | 1 | 1 | 046 |
| | • Including locking screws and nuts, can be used on the narrow side of size 1 enclosures | A | **8HP1 542** | | 1 | 1 | 046 |
|  8HP1 542 |   When enclosures are connected to each other, one sealing frame is required between each set of flange openings. | | | | | | |
|  8HP1 500 | **End cover plates** • Cover plates including fixing screws and seals • If enclosure knockouts do not meet requirements, you can use the following end cover plates, with or without knockouts | | | | | | |
| | Versions | | | | | | |
| | • Without knockouts | A | **8HP1 500** | | 1 | 1 | 046 |
|  8HP1 511-1 | • With knockouts | | | | | | |
| | - 2 × M20 and 3 × M20/M25 and 4 × M25/M40/8HP1 80. | ▶ | **8HP1 511-1** | | 1 | 1 | 046 |
| | - 6 × M25/M32 and 2 × M25/M32/M40/8HP1 80. | ▶ | **8HP1 512-1** | | 1 | 1 | 046 |
|  8HP1 512-1 | - 2 × M20 and 8 × M25/M32 | ▶ | **8HP1 513-1** | | 1 | 1 | 046 |
|  8HP1 513-1 | | | | | | | |
|  8HP1 806 | **Rubber cable entries** • For inserting in Ø 38 mm knockouts to Pg 29 • Can also be used as blanking plug | | | | | | |
| | Versions | | | | | | |
| | • For 1 cable with Ø 12 ... 29 mm | A | **8HP1 805** | | 1 | 1 | 046 |
| | • For 2 cables with Ø 6 ... 15 mm | A | **8HP1 806** | | 1 | 1 | 046 |
| | • For 3 cables with Ø 4 ... 12.5 mm | A | **8HP1 807** | | 1 | 1 | 046 |
| | • For 4 cables with Ø 4 ... 12 mm | A | **8HP1 808** | | 1 | 1 | 046 |
|  8HE8 541 | **Breathers, PG 16**[1] • In the case of distribution boards used in an external environment - outside or in rooms with extreme temperature fluctuations - the breathers must be installed as low as possible on the underneath of the distribution board in order to prevent condensation water forming • Degree of protection, IP54 | A | **8HE8 541** | | 1 | 1 | 046 |
| | Footnote | | | | | | |
| | [1] For conversion from PG to metric screw connections see *General data/ Application*. | | | | | | |

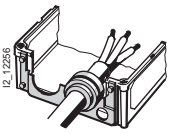
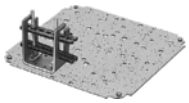
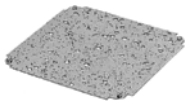
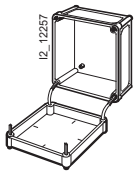
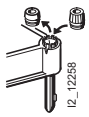
8



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|    | **Cable entry plates**<br>• Including<br>- Fixing components<br>- Seal<br>- 2 x 8HC6 900 rubber cable entries for cable ∅ 14 mm ... 65 mm<br>- One knockout for Pg21 cable gland<br>• If cables are fed in from above, the cable entry must be sealed with a sealing compound in order to maintain the degree of protection | A | **8HP1 520** | | 1 | 1 | 046 |
|  8HP1 525 | **Protective caps**<br>• For cable glands for the aforementioned cable entry plates<br>• Prodproof! | A | **8HP1 525** | | 1 | 1 | 046 |
|  8HC6 900 | **Rubber cable entries**<br>• For cables ∅ 14 mm ... 65 mm<br>• As spare parts for cable entry plates | A | **8HC6 900** | | 1 | 1 | 046 |
|  8HP6 322 | **Strain relief cleats**<br>• On mounting plate size 2<br>• For enclosures, size 2 ... 4<br>• Complete for one cable<br>• Mounting option for 2nd strain relief for double cable | A | **8HP6 322** | | 1 | 1 | 046 |
|  8HP1 530 | **Strain reliefs**<br>For individual mounting and for 8HP6 322 | A | **8HP1 530** | | 1 | 1 | 046 |
|  8HP6 312 | **Mounting plates**<br>• Size 2<br>• For terminal mounting enclosures, size 2 ... 4 for max. 5 terminals, 8JK4 04, 8JK4 06 or 8JK4 061<br>• For terminals see page 8/33. | A | **8HP6 312** | | 1 | 1 | 046 |
|   8HP1 811 | **Screws for cover hinges**<br>1 set = 2 screws | A | **8HP1 811** | | 1 | 1 | 046 |
|  8HP1 813 | **Quick-release cover locks**<br>1 set = 4 locks | A | **8HP1 813** | | 1 | 1 | 046 |
|   8HP1 810 | **Grip ends**<br>• Knurled<br>• For opening by hand<br>• 1 set = 4 grip ends | A | **8HP1 810** | | 1 | 1 | 046 |
| | **Self-tapping screws**<br>1 set = 50 screws | A | **8HP6 621** | | 1 | 1 | 046 |

8

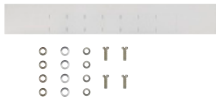
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Accessories for enclosures

| | Version | | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| | **Actuating flaps**<br>• Degree of protection IP65 | | | | | | | |
| | Versions | Seal | | | | | | |
|  <br>8HP1 440 | • 12 modular widths (1 MW = 18 mm), lockable, with padlock 6 mm | Snap fitting | A | **8HP1 440** | | 1 | 1 | 046 |
|  <br>8HP1 441 | • 5 modular widths (1 MW = 18 mm) | Screw | A | **8HP1 441** | | 1 | 1 | 046 |
|  <br>8HP1 442 | • 2 modular widths (1 MW = 18 mm) | Screw | A | **8HP1 442** | | 1 | 1 | 046 |
|  <br>  <br>8HA4 14 | **Hinged lids with tension spring**<br>• Degree of protection, IP54<br>• 8 modular widths (1 MW = 18 mm)<br>Note<br>Not to be used with 8HP5 5.. assembly kits. | | A | **8HA4 14** | | 1 | 1 | 046 |
|  | **Mounting rails**<br>• With threaded holes, M4<br>• Fixing length 236 mm | | A | **8JK1 13** | | 1 | 1 | 046 |
|  | **Support rails**<br>• For meters<br>• Time switches and timing relays<br>• Fixing length 236 mm | | A | **8JH1 41** | | 1 | 1 | 046 |
|  | **Standard mounting rails**<br>• TH 35 acc. to EN 60715 (1 mm thickness)<br>• Fixing length 236 mm | | A | **8HP6 510** | | 1 | 1 | 046 |

8

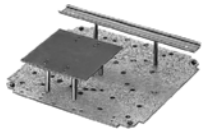
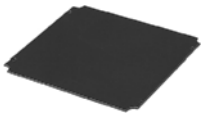
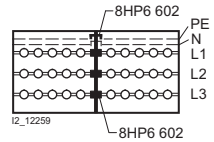
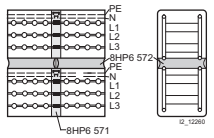


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Stud bolts** | | | | | | | |
|  8HP6 615 | **M5 stud bolts**<br>• Hexagonal<br>• For screwing directly into the M5 threaded bushes in the enclosure base | | | | | | |
| | Versions | | | | | | |
| | • Length 10 mm | A | **8HP6 615** | | 1 | 1 | 046 |
| | • Length 15 mm | A | **8HP6 611** | | 1 | 1 | 046 |
| | • Length 30 mm | A | **8HP6 612** | | 1 | 1 | 046 |
| | • Length 35 mm | A | **8HP6 614** | | 1 | 1 | 046 |
| | • Length 50 mm | A | **8HP6 613** | | 1 | 1 | 046 |
|  8JH1 353 | **M4 stud bolts**<br>For screwing into 8JK1 13 mounting rail or mounting plates | | | | | | |
| | Versions | | | | | | |
| | • Length 20 mm | X | **8JH1 353** | | 1 | 1 | 143 |
| | • Length 30 mm | X | **8JH1 354** | | 1 | 1 | 143 |
| | • Length 45 mm | A | **8JH1 355** | | 1 | 1 | 143 |
| | • Length 50 mm | D | **8JH1 356** | | 1 | 1 | 143 |
| **Insulation carriers** | | | | | | | |
|  8WA1 857 | **Insulation carriers**<br>For insulated mounting of support rails onto plates, frame profiles and standard mounting rails according to EN 50022-35 | D | **8WA1 857** | | 1 | 20 | 041 |
| **Blanking covers** | | | | | | | |
|  8HP6 586 | **Blanking cover plates**<br>Made of molded plastic, RAL 7035, light gray | | | | | | |
| | Versions | | | | | | |
| | • For enclosure size 2 | A | **8HP6 586** | | 1 | 1 | 046 |
| | • For enclosure size 3 | A | **8HP6 588** | | 1 | 1 | 046 |
| **Connecting kits** | | | | | | | |
|   8HP6 602 | **Connecting kits for 2 DIAZED or NEOZED fuse assembly kits**<br>• The bars of the connecting kit can be equipped with incoming terminals of up to 50 mm², type 8JH4 125 or up to 70 mm², type 8JK3 441 (see page 8/30)<br>• Note load rating of the bar-mounting base bar 160 A | | | | | | |
| | Versions | | | | | | |
| | • Assembly kits for 3 busbars 16 x 3 mm (L1, L2, L3) | A | **8HP6 602** | | 1 | 1 | 046 |
| | • Assembly kits for N/PE bars (2 units required for 5 conductors) | A | **8HP6 603** | | 1 | 1 | 046 |
| **Intermediate covering strips** | | | | | | | |
|   | **Covering strips, 285 mm long**<br>• For multiple installation of assembly kits with cover plates for covering the intermediate spaces<br>• These are essential when using cover locks with manual operation | | | | | | |
| | Versions | | | | | | |
| | • Vertical | A | **8HP6 571** | | 1 | 1 | 046 |
| | • Horizontal | A | **8HP6 572** | | 1 | 1 | 046 |
| **Measuring instruments** | | | | | | | |
|  8HP6 201 | **Holders for measuring instruments**<br>For mounting on mounting plates □ 96 mm or □ 72 mm | A | **8HP6 201** | | 1 | 1 | 046 |

8

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Mounting accessories

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories for meter enclosures** | | | | | | | |
| | **ISO meter support plates**<br>With meter fixing screws to DIN 46300 and distance bolts (15 mm) | | | | | | |
| | Versions | | | | | | |
| | • For enclosure size 2.5 | A | **8HP6 111** | | 1 | 1 | 046 |
| | • For enclosure sizes 3 and 4 | A | **8HP6 112** | | 1 | 1 | 046 |
| | **For support rails for 8JH1 41 meters,** see page 8/36. | | | | | | |
| | **For 8JK1 13 mounting rails,** see page 8/36. | | | | | | |
|  <br>8HP1 815 | **Sealing caps**<br>• For sealing the quick-release cover locks<br>• 1 set = 2 caps | A | **8HP1 815** | | 1 | 1 | 046 |
|  <br>8HP1 816 | **Sealing fasteners**<br>• Captive, for sealing the quick-release cover locks<br>• 1 set = 2 fasteners | A | **8HP1 816** | | 1 | 1 | 046 |
| **Single operating mechanism, with total insulation** | | | | | | | |
|  <br>8UC7 111-1BB10 | **Single operating mechanisms for switch disconnectors**<br>• Lockable with padlocks<br>• For installation in size 2 enclosures with raised cover and in size 3 and 4 enclosures with intermediate frames<br>• Blanking covers<br>- ☐ 75 mm (8UC71, 8UC72)<br>- ☐ 100 mm (8UC73) | | | | | | |
| | Versions | | | | | | |
| | • For switches with unshortened coupling driver | | | | | | |
| | - 3KL50, 3KA50 | C | **8UC7 111-1BB10** | | 1 | 1 | 103 |
| | - 3KL52, 3KA53 in 8HP2 714 | C | **8UC7 212-1BB20** | | 1 | 1 | 103 |
| | - 3KL55, 3KA55, 3KA57, 3KA58 | C | **8UC7 313-1BB30** | | 1 | 1 | 103 |
| | - 3KE42, 3KE43, 3KE44, 3KE45 | C | **8UC7 314-1BB44** | | 1 | 1 | 103 |
| | • For switches with shortened coupling driver | | | | | | |
| | - 3KA52, 3KA53 in 8HP2 711 | C | **8UC7 262-1BB20** | | 1 | 1 | 103 |
| | • For "EMERGENCY-STOP" switches | | | | | | |
| | - 3KL50, 3KA50 | C | **8UC7 121-3BB10** | | 1 | 1 | 103 |
| | - 3KL52, 3KA52, 3KA53 | C | **8UC7 222-3BB20** | | 1 | 1 | 103 |
| | - 3KL55, 3KA55, 3KA57, 3KA58 | C | **8UC7 323-3BB30** | | 1 | 1 | 103 |
| | - 3KE42, 3KE43, 3KE44, 3KE45 | C | **8UC7 324-3BB44** | | 1 | 1 | 103 |
| | Note | | | | | | |
| | For EMERGENCY-STOP operating mechanisms for SENTRON VL and 3VF circuit-breakers, see Catalog LV 1, "Switching and Protecting with SENTRON – Compact Circuit-Breakers". | | | | | | |

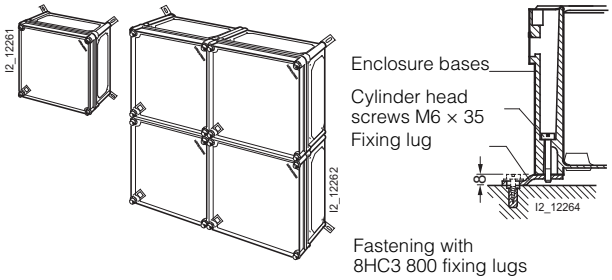
8

* You can order this quantity or a multiple thereof.

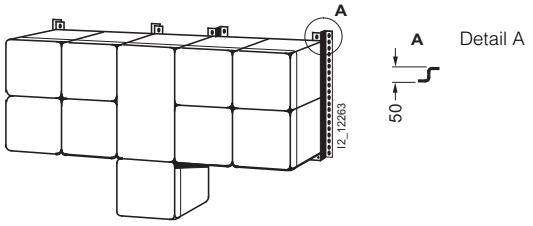
© Siemens AG 2010



| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Wall mounting of distribution boards** | | | | | | |
| **Fixing lugs**<br>• For individual enclosures and small distribution boards complete with cylinder head screws M6 x 35<br>• 1 set = 4 lugs | A | **8HC3 800** | | 1 | 1 | 046 |
| **Wall-mounting brackets**<br>With elongated holes 7 mm × 44 mm | | | | | | |
| Versions | | | | | | |
| • 700 mm long | A | **8HC3 510** | | 1 | 1 | 046 |
| • 2000 mm long | D | **8HP9 020** | | 1 | 1 | 046 |

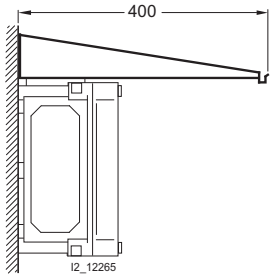


Fastening with 8HC3 800 fixing lugs



Detail A

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Rain guards**<br>• Made of sendzimir-galvanized sheet metal<br>• 1.5 mm thick | | | | | | |
| Versions | | | | | | |
| • For wall mounting | | | | | | |
| - Enclosure width[1] = 1 | D | **8HP9 121** | | 1 | 1 | 046 |
| - Enclosure width[1] = 2 | D | **8HP9 122** | | 1 | 1 | 046 |
| - Enclosure width[1] = 3 | D | **8HP9 123** | | 1 | 1 | 046 |
| - Enclosure width[1] = 4 | D | **8HP9 124** | | 1 | 1 | 046 |
| • With additional fixing for 8HP rack | | | | | | |
| - Enclosure width[1] = 3 | D | **8HP9 133** | | 1 | 1 | 046 |
| - Enclosure width[1] = 4 | D | **8HP9 134** | | 1 | 1 | 046 |
| • With additional fixing for 8HP rack and supporting crossarm | | | | | | |
| - Enclosure width[1] = 5 | D | **8HP9 135** | | 1 | 1 | 046 |
| - Enclosure width[1] = 6 | D | **8HP9 136** | | 1 | 1 | 046 |
| Footnote | | | | | | |
| [1] Width = enclosure width x 307 + 185 mm. | | | | | | |



8HP9 121

| | | | | | | |
|---|---|---|---|---|---|---|
| **Tools and aids** | | | | | | |
| **Separating tools**<br>With 1 blade for easy cutting out of the flange knockouts in the side panels of the enclosures | A | **8HP9 000** | | 1 | 1 | 046 |
| **Replacement blades** | A | **8HP9 001** | | 1 | 1 | 046 |


8HP9 000 and 8HP9 001

* You can order this quantity or a multiple thereof.

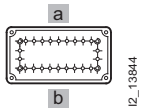
© Siemens AG 2010



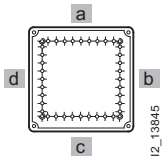
# Accessories

## Mounting accessories

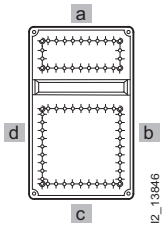
| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Mounting of open flange openings for enclosures of the size 1 to 4** | ► | **8HP1 898** | | 1 | 1 | 046 |



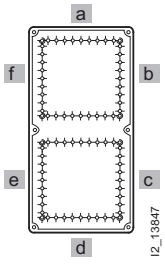
Enclosure size 1



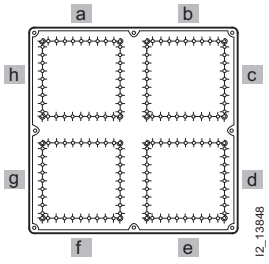
Enclosure size 2



Enclosure size 2.5



Enclosure size 3



Enclosure size 4

Order note

- Please add "-Z" to the order number of the desired enclosure.
- The respective opening must be defined in the description of the supplement.
- The openings are marked according to diagrams from the top left in the clockwise direction with the letters continuing from the top depending on the position. If there are several openings per enclosure, the code letters are to be separated by commas.
- Please select the letter where the open opening should be.
- Once you have specified all enclosures in the "Z" order, please add our mounting order number 8HP1 898 with the appropriate number of total openings for all enclosures (see ordering example).

Ordering example

- Various enclosures with different openings should be defined for order at a plant.
- Two enclosures of size 2 are required, openings a, b, c and a, c, d. An enclosure of size 3 is also required, openings b, c.

| Order text | Order number | Number |
|---|---|---|
| • Enclosure size 2 with openings a, b, c | 8HP2 002-Z Z=a,b,c | 1 |
| • Enclosure size 2 with openings a, c, d | 8HP2 002-Z Z=a,c,d | 1 |
| • Enclosure size 3[1] with openings b, c | 8HP2 003-Z Z=b,c | 1 |
| • Mounting | 8HP1 898 | 8 |

Footnote

[1] The two cable entries are on side "d".

8

© Siemens AG 2010



## Design



ALPHA 8HP, support rack and cable space cover

### *Support rack*

Support rack made of galvanized sheet section, with thread-channeling screws for connection.

Punched holes with spacings of 307 mm × 307 mm enable the different sized distribution boards to be fixed using captive nuts.

Lateral profiles for creating distribution boards with a width of two to six sections, support profiles for creating distribution boards with a height of three to six sections.

The height can be expanded by one section respectively using support profile extensions, and the width by adding further racks to existing distribution boards using connecting brackets.

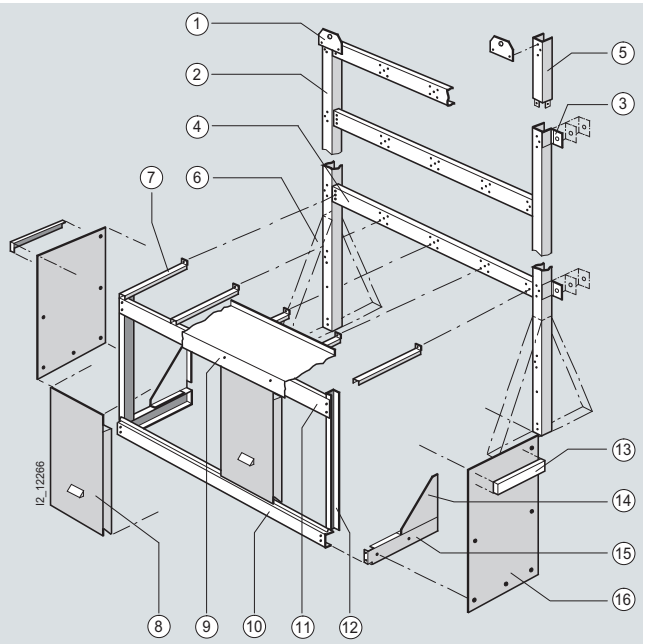
One section corresponds to the basic dimensions of the ALPHA 8HP system: 307 mm.

### *Cable space cover*

Cable space cover for mounting on the ALPHA 8HP support rack, with plug-in molded-plastic covers in light gray, RAL 7035, available in heights 370 and 677 mm.

With the 8HP9 057 double flange, enclosures can also be fitted under the cable space cover.

If connecting several support racks, you need to order the matching covers. For each width expansion, only one set of side panels 4 and one set of corner covers 1 are required. We therefore recommend ordering these cable space covers for the expansion as individual parts – without the specified units.




① Lifting lug
② Support profile
③ Wall-mounting bracket
④ Support rail
⑤ Support profile extension
⑥ Supporting foot for free-standing installation
⑦ Support struts
⑧ Front cover
⑨ Top cover
⑩ Baseboard
⑪ Lateral profile
⑫ Corner profile
⑬ Corner cover
⑭ Joining sheet
⑮ Side support
⑯ Side panel

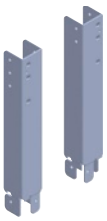
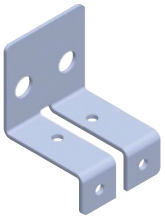
Individual parts for support rack and cable space cover

8

© Siemens AG 2010



## Selection and ordering data

| | Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Components of the support rack** | | | | | | | | |
|  8HP9 030-6 | **Support profiles** ②<br>• Including<br>- Four wall-mounting brackets ③<br>- Two lifting lugs ①<br>- Mounting material<br>• One set = Two profiles (left and right) | | | | | | | |
| | Height in mm | Number of sections | | | | | | |
| | 921 | 3 | D | **8HP9 030-3** | | 1 set | 1 set | 046 |
| | 1228 | 4 | D | **8HP9 030-4** | | 1 set | 1 set | 046 |
| | 1535 | 5 | D | **8HP9 030-5** | | 1 set | 1 set | 046 |
| | 1842 | 6 | D | **8HP9 030-6** | | 1 set | 1 set | 046 |
| | 2149 | 7 | D | **8HP9 030-7** | | 1 set | 1 set | 046 |
|  8HP9 032-6 | **Support rails** ④<br>Including mounting material | | | | | | | |
| | Number of sections | For distribution board width (mm) | Length of rail in mm | | | | | |
| | 2 | 614 | 521 | D | **8HP9 032-2** | | 1 | 1 | 046 |
| | 3 | 921 | 821 | D | **8HP9 032-3** | | 1 | 1 | 046 |
| | 4 | 1228 | 1228 | D | **8HP9 032-4** | | 1 | 1 | 046 |
| | 5 | 1535 | 1435 | D | **8HP9 032-5** | | 1 | 1 | 046 |
| | 6 | 1842 | 1742 | D | **8HP9 032-6** | | 1 | 1 | 046 |
|  8HP9 034 | **Support profile extensions** ⑤<br>• Dimensions: 307 mm<br>• One set = Two extensions (left and right) | | | D | **8HP9 034** | | 1 | 1 | 046 |
|  8HP9 033 | **Wall-mounting brackets** ③<br>• If needed additionally<br>• For wall distances of 50 to 100 mm<br>• One set = Two brackets | | | D | **8HP9 033** | | 1 | 1 | 046 |
|  8HP9 060 | **Connecting brackets**<br>For connecting two racks and for wall mounting at rear of enclosure | | | D | **8HP9 060** | | 1 | 1 | 046 |
|  8HP9 031 | **Supporting feet**<br>For free-standing installation without cable space cover | | | D | **8HP9 031** | | 1 | 1 | 046 |
| | **Screws and nuts**<br>• For fixing the ISO enclosure to the support rails<br>• One set = 40 units | | | D | **8HP9 056** | | 1 set | 1 set | 046 |

8

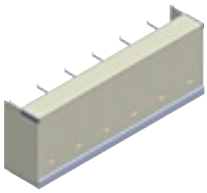


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Complete cable space covers


8HP9 116

**Complete cable space covers**
Unassembled

| Number of sections | Height in mm | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| 2 | 370 | D | **8HP9 102** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 112** | | 1 | 1 | 046 |
| 3 | 370 | D | **8HP9 103** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 113** | | 1 | 1 | 046 |
| 4 | 370 | D | **8HP9 104** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 114** | | 1 | 1 | 046 |
| 5 | 370 | D | **8HP9 105** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 115** | | 1 | 1 | 046 |
| 6 | 370 | D | **8HP9 106** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 116** | | 1 | 1 | 046 |

Note

For individual parts of the *complete cable space cover*, see section *More information*.

## Cable space covers, single


8HP9 062

**Corner profiles** ⑫
One set = Two profiles

| Height in mm | DT | Order No. | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|
| 370 | D | **8HP9 061** | 1 | 1 | 046 |
| 677 | D | **8HP9 062** | 1 | 1 | 046 |


8HP9 063-6

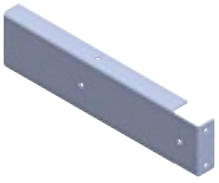
**Lateral profiles** ⑪

| Number of sections | Width in mm | DT | Order No. | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| 2 | 614 | D | **8HP9 063-2** | 1 | 1 | 046 |
| 3 | 921 | D | **8HP9 063-3** | 1 | 1 | 046 |
| 4 | 1228 | D | **8HP9 063-4** | 1 | 1 | 046 |
| 5 | 1534 | D | **8HP9 063-5** | 1 | 1 | 046 |
| 6 | 1842 | D | **8HP9 063-6** | 1 | 1 | 046 |


8HP9 067

**Support struts** ⑦
Number of sections plus 1

D **8HP9 067** 1 1 046


8HP9 045

**Side supports** ⑮

D **8HP9 045** 1 2 046


8HP9 046

**Joining sheets** ⑭

D **8HP9 046** 1 2 046

8

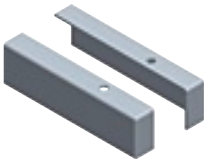
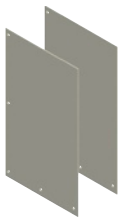
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories

## Support racks and cable space covers

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8HP9 038-6 | **Baseboards** ⑩ | | | | | | |
| | Sections / Width in mm | | | | | | |
| | 2 / 614 | D | **8HP9 038-2** | | 1 | 1 | 046 |
| | 3 / 921 | D | **8HP9 038-3** | | 1 | 1 | 046 |
| | 4 / 1228 | D | **8HP9 038-4** | | 1 | 1 | 046 |
| | 5 / 1535 | D | **8HP9 038-5** | | 1 | 1 | 046 |
| | 6 / 1842 | D | **8HP9 038-6** | | 1 | 1 | 046 |
|  8HP9 073-6 | **Top covers** ⑨ | | | | | | |
| | Number of sections / Width in mm | | | | | | |
| | 2 / 614 | D | **8HP9 073-2** | | 1 | 1 | 046 |
| | 3 / 921 | D | **8HP9 073-3** | | 1 | 1 | 046 |
| | 4 / 1228 | D | **8HP9 073-4** | | 1 | 1 | 046 |
| | 5 / 1534 | D | **8HP9 073-5** | | 1 | 1 | 046 |
| | 6 / 1842 | D | **8HP9 073-6** | | 1 | 1 | 046 |
|  8HP9 083 | **Corner covers** ⑬<br>One set = Two corner covers | D | **8HP9 083** | | 1 | 1 | 046 |
|  8HP9 072 | **Front covers** ⑧ | | | | | | |
| | Height in mm | | | | | | |
| | 370 | D | **8HP9 071** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 072** | | 1 | 1 | 046 |
|  8HP9 082 | **Side panels** ⑯<br>One set = Two side panels | | | | | | |
| | Height in mm | | | | | | |
| | 370 | D | **8HP9 081** | | 1 | 1 | 046 |
| | 677 | D | **8HP9 082** | | 1 | 1 | 046 |
|  8HP9 057 | **Double flanges**<br>For mounting enclosures under the cable space cover | D | **8HP9 057** | | 1 | 1 | 046 |
| | **Screws and nuts**<br>Assortment sufficient for six sections | D | **8HP9 058** | | 1 | 1 | 046 |





* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## More information

### *Order numbers of the complete cable space cover*

| Order No. of complete cable space cover | Order No. of individual components | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Corner profiles** 1 set each | **Lateral profiles** 1 unit each | **Support struts** | **Side supports** 2 units each | **Joining sheets** 2 units each | **Baseboards** 1 unit each | **Top covers** 1 unit each | **Corner covers** 1 set each | **Front covers** | **Side panels** 1 set each | **Screws and nuts** 1 bag each |
| 8HP9 102 | 8HP9 061 | 8HP9 063-2 | 3 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-2 | 8HP9 073-2 | 8HP9 083 | 2 x 8HP9 071 | 8HP9 081 | 8HP9 058 |
| 8HP9 112 | 8HP9 062 | 8HP9 063-2 | 3 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-2 | 8HP9 073-2 | 8HP9 083 | 2 x 8HP9 072 | 8HP9 082 | 8HP9 058 |
| 8HP9 103 | 8HP9 061 | 8HP9 063-3 | 4 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-3 | 8HP9 073-3 | 8HP9 083 | 3 x 8HP9 071 | 8HP9 081 | 8HP9 058 |
| 8HP9 113 | 8HP9 062 | 8HP9 063-3 | 4 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-3 | 8HP9 073-3 | 8HP9 083 | 3 x 8HP9 072 | 8HP9 082 | 8HP9 058 |
| 8HP9 104 | 8HP9 061 | 8HP9 063-4 | 5 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-4 | 8HP9 073-4 | 8HP9 083 | 4 x 8HP9 071 | 8HP9 081 | 8HP9 058 |
| 8HP9 114 | 8HP9 062 | 8HP9 063-4 | 5 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-4 | 8HP9 073-4 | 8HP9 083 | 4 x 8HP9 072 | 8HP9 082 | 8HP9 058 |
| 8HP9 105 | 8HP9 061 | 8HP9 063-5 | 6 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-5 | 8HP9 073-5 | 8HP9 083 | 5 x 8HP9 071 | 8HP9 081 | 8HP9 058 |
| 8HP9 115 | 8HP9 062 | 8HP9 063-5 | 6 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-5 | 8HP9 073-5 | 8HP9 083 | 5 x 8HP9 072 | 8HP9 082 | 8HP9 058 |
| 8HP9 106 | 8HP9 061 | 8HP9 063-6 | 7 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-6 | 8HP9 073-6 | 8HP9 083 | 6 x 8HP9 071 | 8HP9 081 | 8HP9 058 |
| 8HP9 116 | 8HP9 062 | 8HP9 063-6 | 7 x 8HP9 067 | 8HP9 045 | 8HP9 046 | 8HP9 038-6 | 8HP9 073-6 | 8HP9 083 | 6 x 8HP9 072 | 8HP9 082 | 8HP9 058 |

### *Support rack and cable space cover, rear view*



© Siemens AG 2010



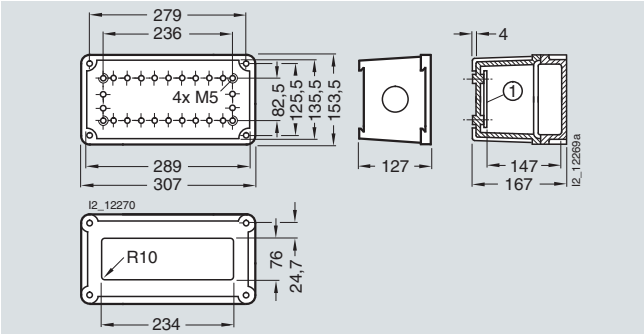
# Dimensional Drawings

## Single enclosures

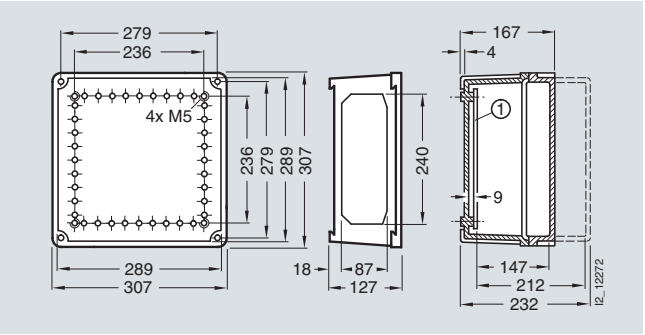
### Dimensional drawings

*Empty enclosures*

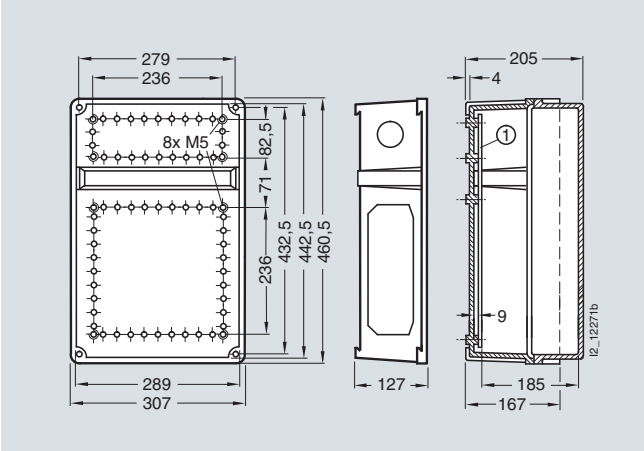
Empty enclosures, cover



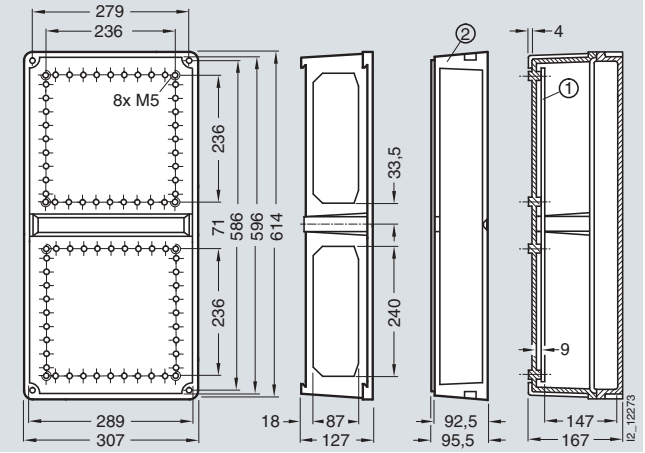

Enclosure size 1



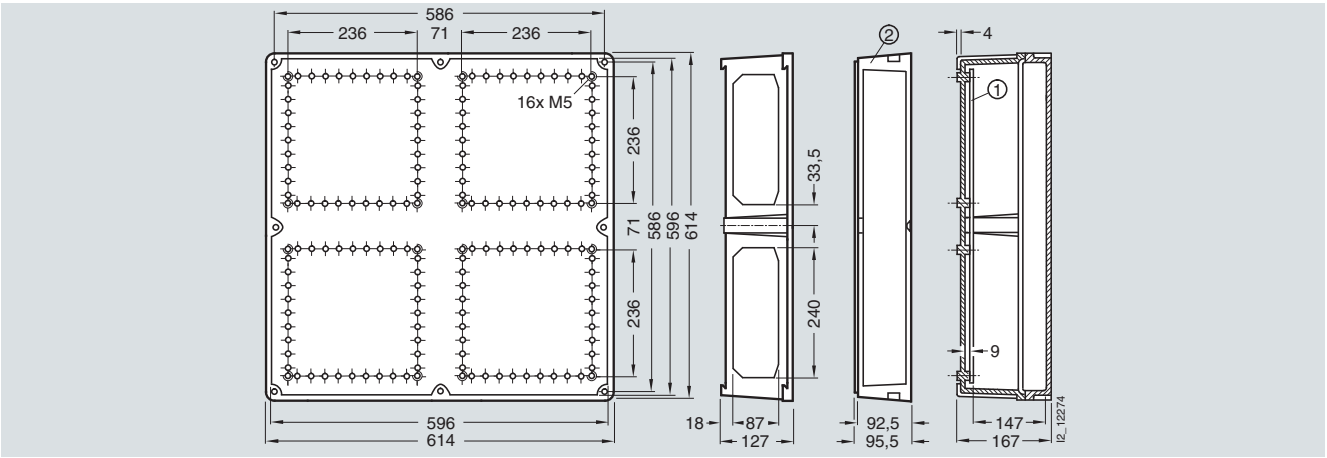

Enclosure size 2



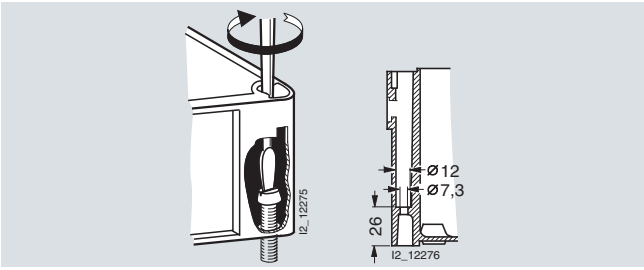

Enclosure size 2.5




Enclosure size 3




Enclosure size 4




Enclosure fixing

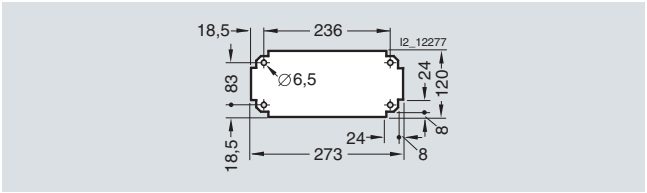
① Mounting plate, 2 mm thick

② Intermediate frames for increasing mounting depth (can be multi-stacked)

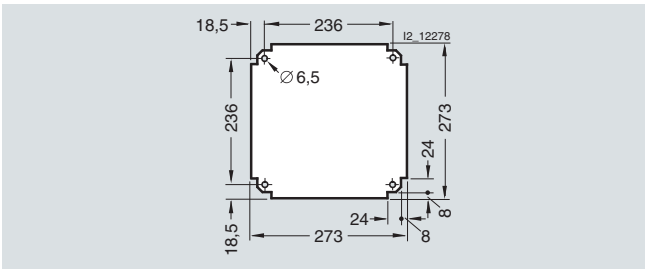
© Siemens AG 2010



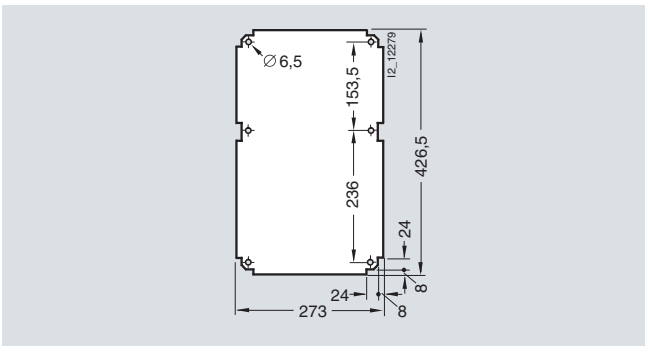
Mounting plates



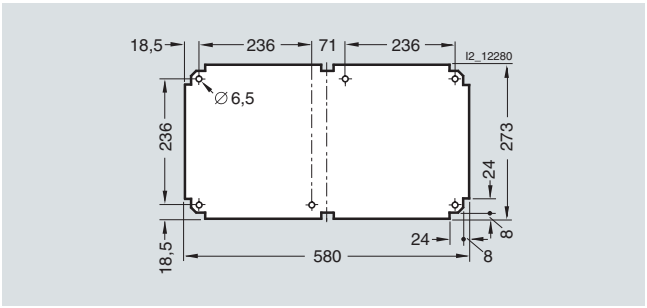

8HP6 301 for encl. size 1, sheet steel, 2 mm thick, sendzimir-galvanized



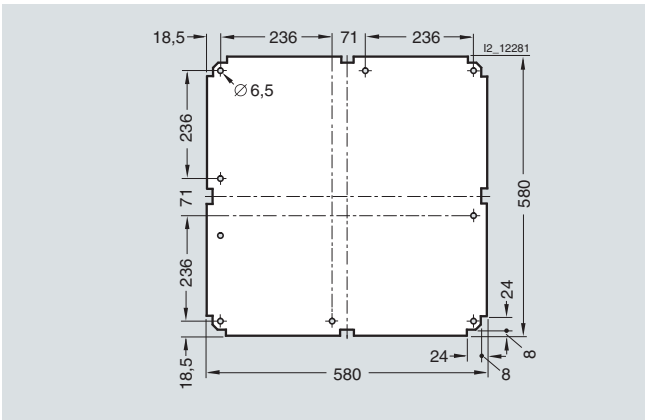

8HP6 302 for encl. size 2, sheet steel, 2 mm thick, sendzimir-galvanized




8HP6 307 for encl. size 2.5, sheet steel, 2 mm thick, sendzimir-galvanized

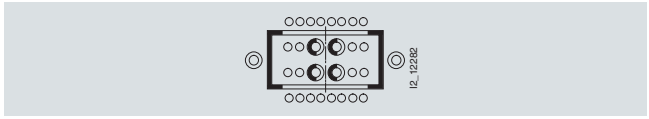



8HP6 303 for encl. size 3, sheet steel, 2 mm thick, sendzimir-galvanized

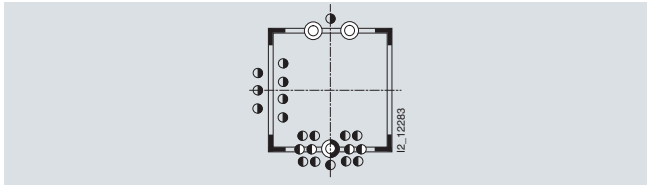



8HP6 304 for encl. size 4, sheet steel, 2 mm thick, sendzimir-galvanized

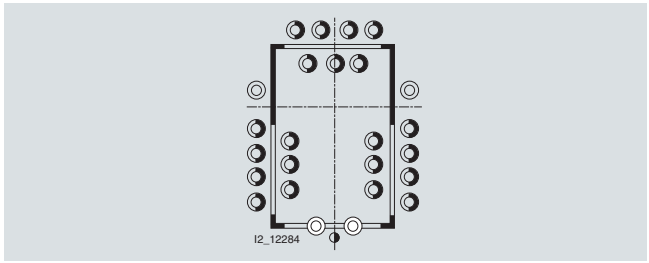
Knockouts for flange openings and cable entries



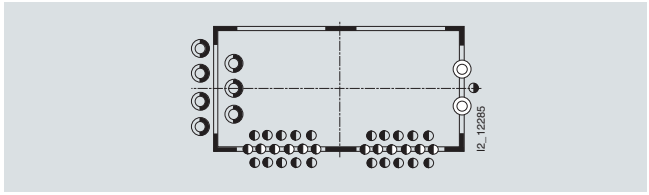

Enclosure size 1



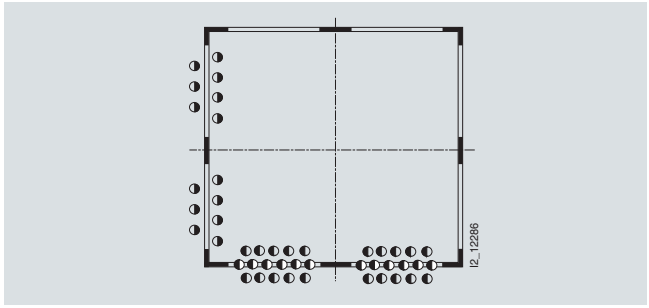

Enclosure size 2




Enclosure size 2.5




Enclosure size 3




Enclosure size 4

- ○ Pg 13.5
- ◐ Pg 16
- ◑ Pg 29
- ◎ Pg 21/Pg 13.5
- ◎ Pg 29/Pg 16
- ◎ Pg 48[1]/Pg 29
- ▯ Flange knockouts

If the knockouts do not meet requirements, end cover plates can be mounted with or without knockouts, see page 8/34.

[1] Also for joining enclosures with sealing frame.

© Siemens AG 2010

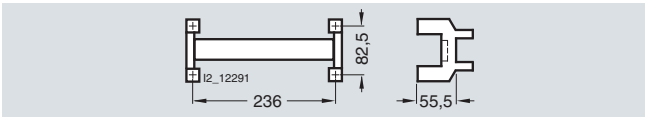


# Dimensional Drawings

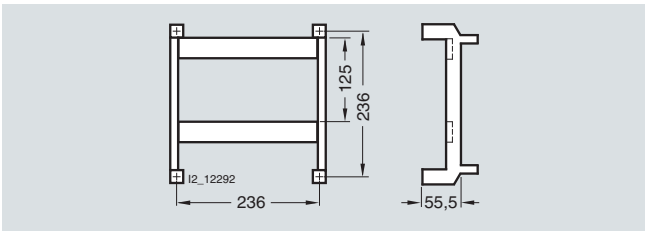
## Single enclosures

***Enclosures for modular installation devices with snap-on mounting***

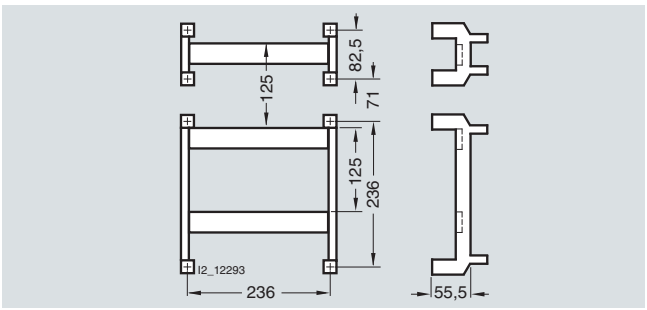
Complete assembly kits



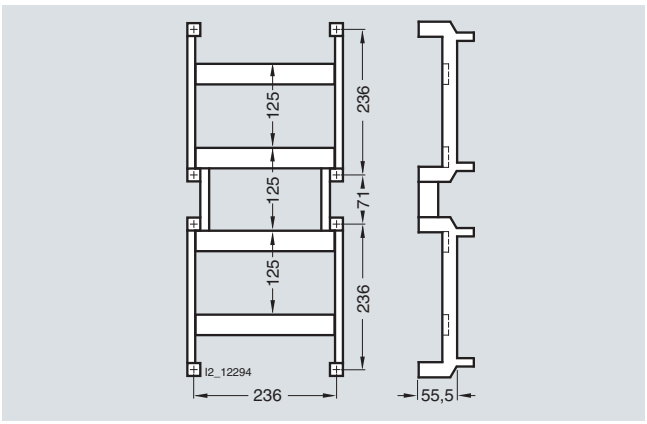

8HP5 531




8HP5 532

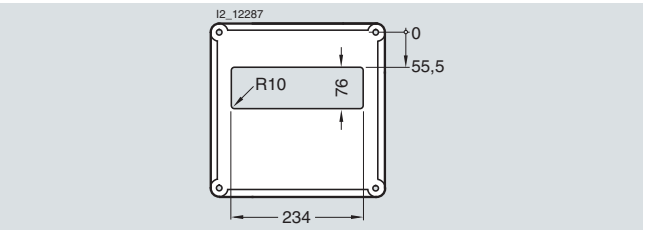



8HP5 533

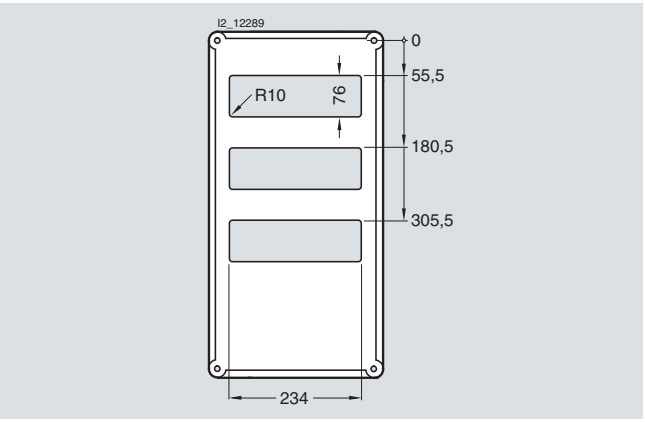



8HP5 534

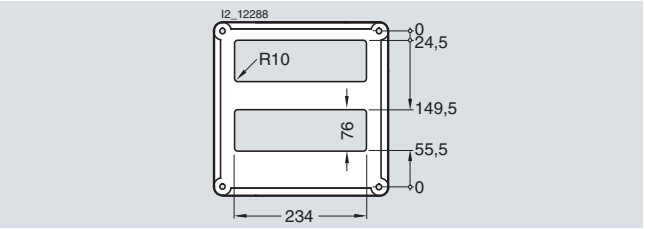
Cover with actuating flaps



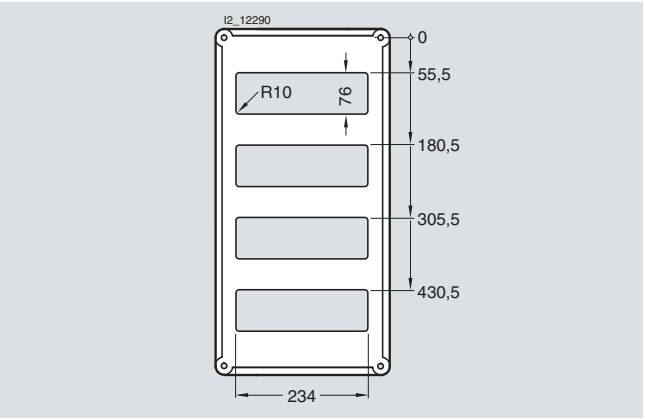

8HP1 351 for enclosure size 2
(8HP1 331 for enclosure size 1, not shown)




8HP1 353 for enclosure size 3




8HP1 352 for enclosure size 2




8HP1 354 for enclosure size 3

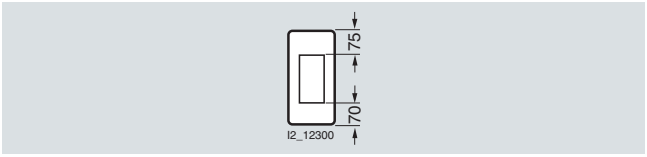
8

© Siemens AG 2010

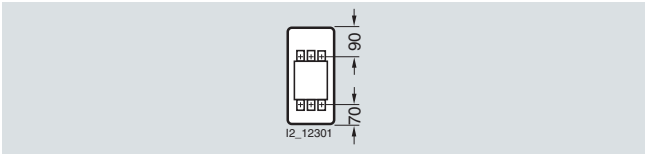


***Enclosures with fuse switch disconnectors***

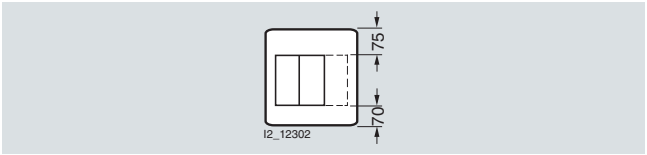
Connection compartments for fuse switch disconnectors



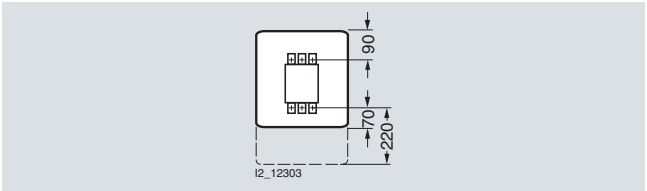

8HP2 437



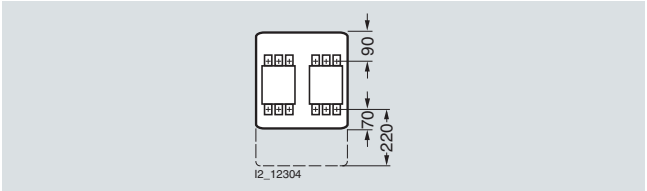

8HP2 438



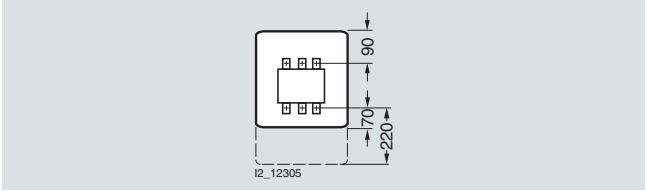

8HP2 440 or 8HP2 441, with 2 or 3 fuse switch disconnectors



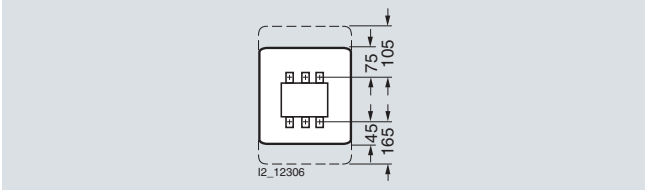

8HP2 442, 8HP2 445



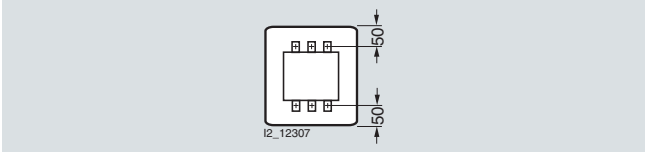

8HP2 443, 8HP2 446



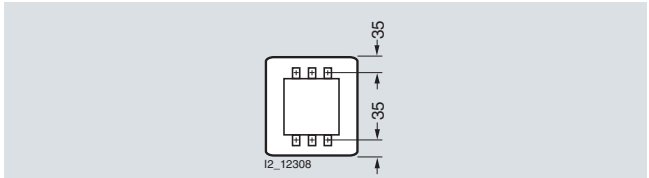

8HP2 405, 8HP2 426



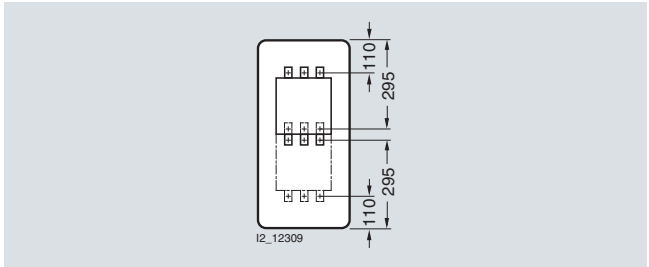

8HP2 444, 8HP2 447[1)]



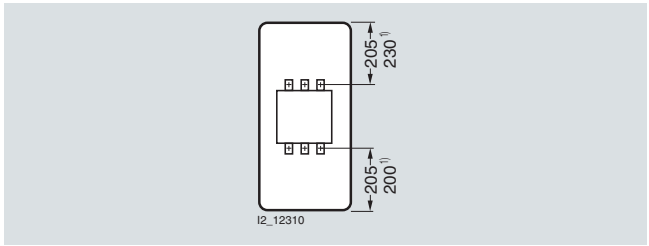

8HP2 410



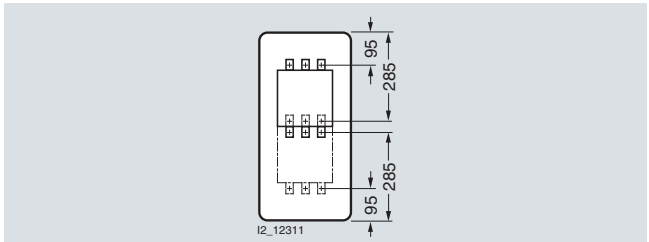

8HP2 414



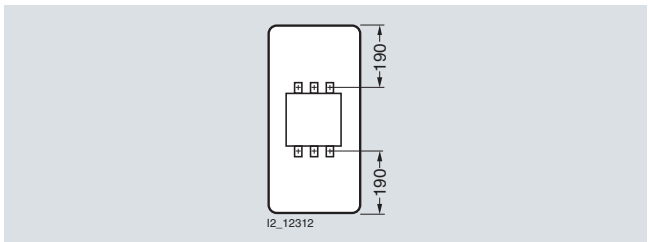

8HP2 411



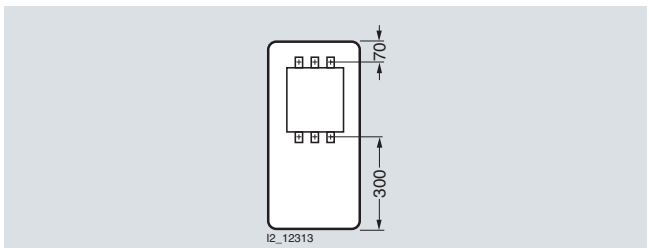

8HP2 412, 8HP2 448[1)]




8HP2 415




8HP2 416




8HP2 417

[1)] With 3NP42 70-0CA01 switch, 3NY7 120 terminal.

8

© Siemens AG 2010

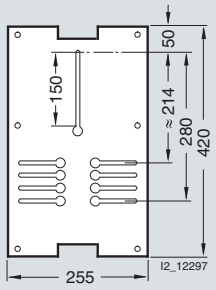


# Dimensional Drawings

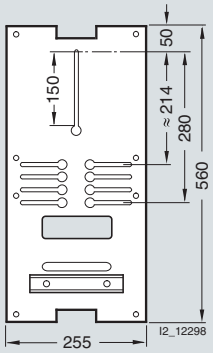
## Single enclosures

### *Meter enclosures*

ISO meter support plates




8HP6 111, for enclosure size 2.5



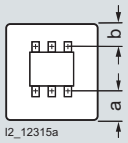

8HP6 112, for enclosure sizes 3 and 4

For dimensional drawings for meter enclosure accessories, see page 8/51.



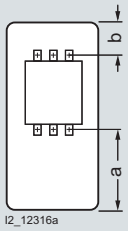
### *Enclosures with main and EMERGENCY-STOP switches*

Connection compartments for integrated switch disconnectors




| Type | Dimensions | |
|---|---|---|
| | a | b |
| 3KA50 | 95 | 125 |
| 3KA53 | 95 | 95 |
| 3KA55 | 85 | 85 |
| 3KA57 | 85 | 85 |
| 3KE42 | 55 | 55 |
| 3KE43 | 55 | 55 |

Enclosure size 2

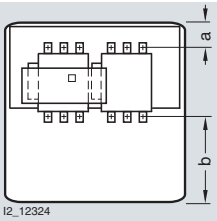


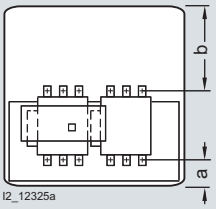

| Type | Dimensions | |
|---|---|---|
| | a | b |
| 3KA52 | 285 | 130 |
| 3KE43 | 285 | 130 |
| 3KE44 | 255 | 100 |
| 3KE45 | 250 | 95 |

Enclosure size 3

### *Enclosures with assembly kits for load break and parallel switches*

Mounting options for 3KE switch disconnectors

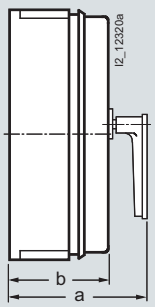



| Type | Dimensions | |
|---|---|---|
| | a | b |
| 3KE42 | 90 | 330 |
| 3KE43 | 90 | 330 |
| 3KE44 | 55 | 295 |

The mounting plate has boreholes for 2 PEN terminals each, either 8JK4 04 (150 mm²) or 8JK4 06 (240 mm²).

### *Enclosures with main and EMERGENCY-STOP switches, with switch disconnectors with fuses and with circuit breakers*




| Switch type | Enclosure size | Intermediate frames | Operating mechanism | | a | b |
|---|---|---|---|---|---|---|
| 3KA50, 3KL50 | 2 | -- | Knob | 36 mm | 300 | 232 |
| 3KA53, 3KL52 | 2 | -- | Knob | 62 mm | 300 | 232 |
| 3KA57, 3KL55 | 2 | -- | Handle | 140 mm | 322 | 232 |
| 3KE42, 3KE43 | 2 | -- | Handle | 140 mm | 322 | 232 |
| 3KE42, 3KE43 | 3 | 1 | Handle | 140 mm | 350 | 260 |
| 3KE44, 3KE45 | 3 | 1 | Handle | 200 mm | 350 | 260 |
| 3KE changeover contact | 4 | 2 | Double handle | 280 mm | 442 | 352 |
| 8HP4 11. | 3 or 4 | 1 | Double handle | 280 mm | 350 | 260 |

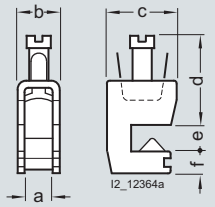
© Siemens AG 2010



## Dimensional drawings

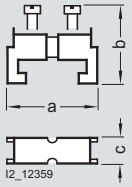
### *Components for busbar systems*

Busbar terminals

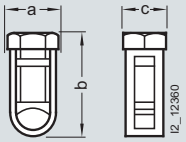



| Type | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | a | b | c | d | e | f |
| 8US19 21-2AA00 | 7,5 | 11,5 | 22,5 | 25 | 5 | 9 |
| -2AB00 | 10,5 | 15,5 | 29 | 35 | 5 | 10 |
| -2AC00 | 17 | 23,5 | 36 | 55 | 5 | 12 |
| -2AD00 | 14,5 | 20,5 | 32 | 42 | 5 | 12 |
| 8US19 21-2BA00 | 7,5 | 11,5 | 22,5 | 25 | 10 | 9 |
| -2BB00 | 10,5 | 15,5 | 29 | 35 | 10 | 10 |
| -2BC00 | 17 | 23,5 | 36 | 55 | 10 | 12 |
| 2BD00 | 14,5 | 20,5 | 32 | 42 | 10 | 12 |

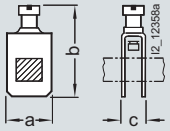
8US19 21–2..00




8JH4 102, 8JH4 104, 8JH4 112, 8JH4 122, 8JH4 124, 8JH4 125, 8JK3 441

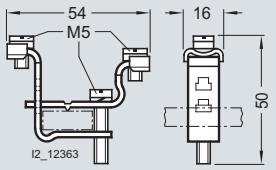



8JH4 105, 8JH4 106, 8JK3 061

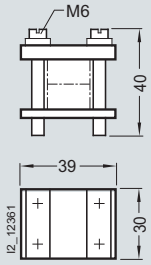



8JH4 114

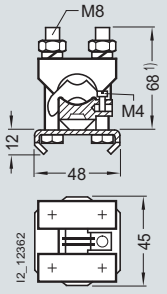
| Type | Dimensions | | |
|---|---|---|---|
| | a | b | c |
| 8JH4 102 | 25 | 25 | 10 |
| 8JH4 104 | 28 | 35 | 15 |
| 8JH4 105 | 19,5 | 39 | 14,5 |
| 8JH4 106 | 27 | 57 | 21,5 |
| 8JH4 112 | 20 | 25 | 10 |
| 8JH4 114 | 14 | 29 | 12,6 |
| 8JH4 122 | 25 | 20 | 7,5 |
| 8JH4 124 | 28 | 38 | 13,5 |
| 8JH4 125 | 28 | 34,5 | 14,5 |
| 8JK3 061 | 36,5 | 45,5 | 20 |
| 8JK3 441 | 32 | 41 | 19 |




8JK3 113

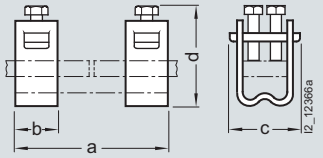



8JK3 143




8JK3 171, 8JK3 172[1)]

Extension terminals




| Type | Dimensions | | | |
|---|---|---|---|---|
| | a | b | c | d |
| 8JK3 201 | 65 | 12 | 25 | 25 |
| 8JK3 281 | 70 | 20 | 32,5 | 54 |

8JK3 201, 8JK3 281

1) 8JK3 172: 88 mm high.

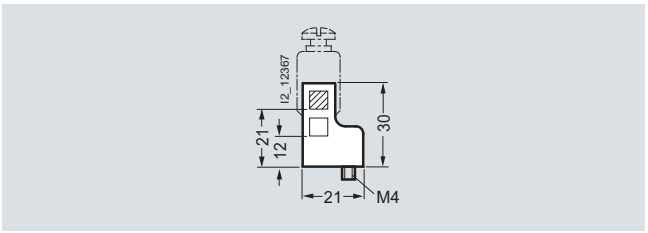
© Siemens AG 2010



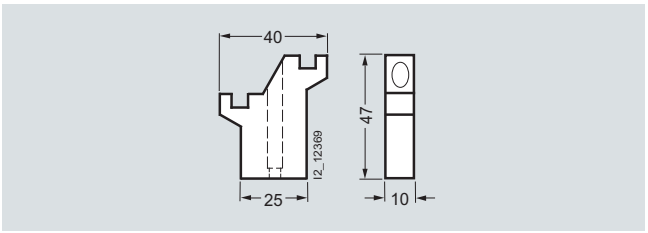
# Dimensional Drawings

## Accessories

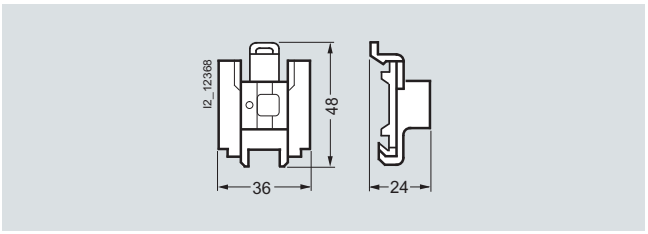
Busbar supports for PE/N bars




8JH4 230

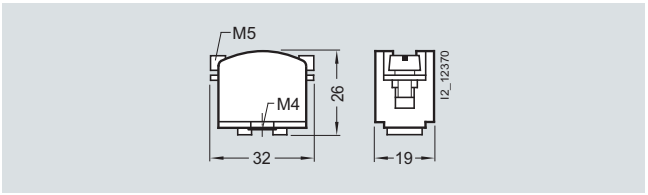



8GF9 320-1

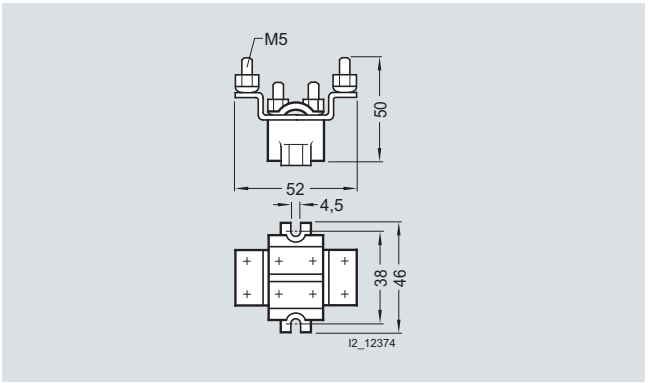



8HP6 601

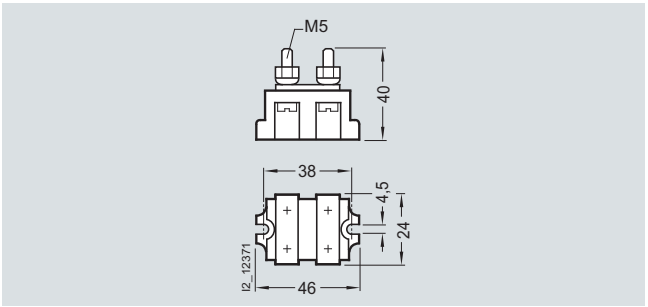
Single-pole terminals, insulated/not insulated



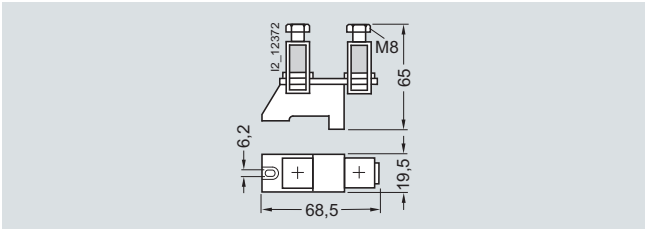

8JH4 02



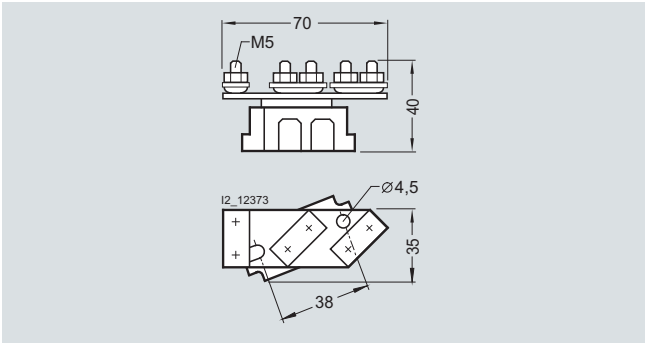

8JH4 044



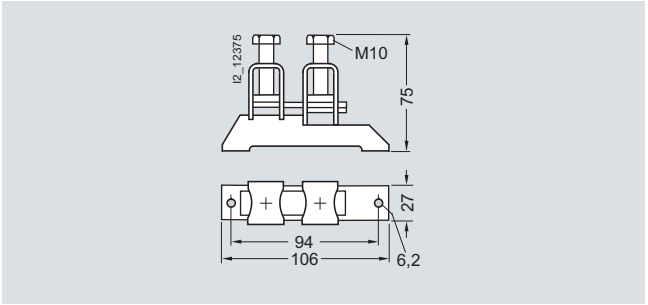

8JH4 04




8JK4 01




8JH4 043

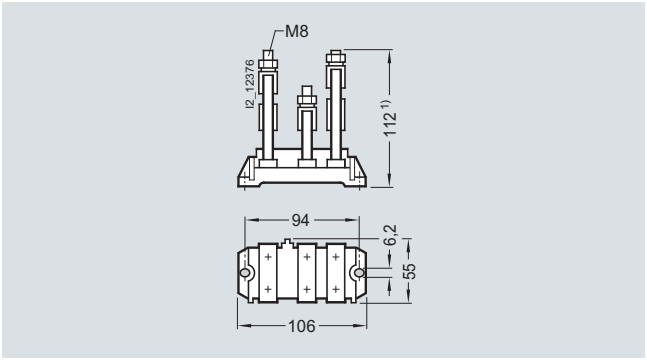



8JK4 04

8

© Siemens AG 2010

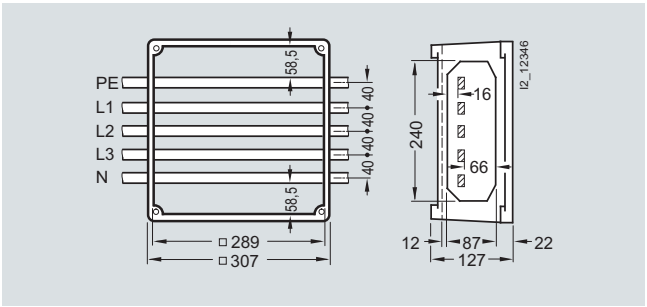




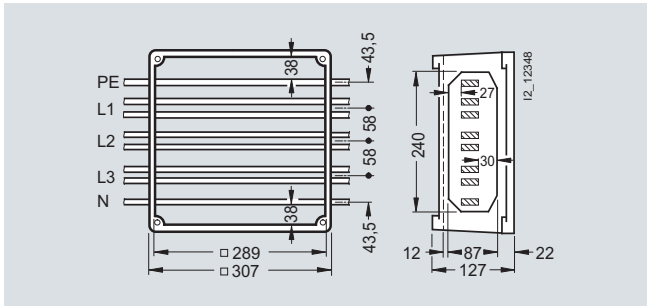

8JK4 06, 8JK4 061 1)

1) 8JK4 061: 82 mm high, without central clamping point.

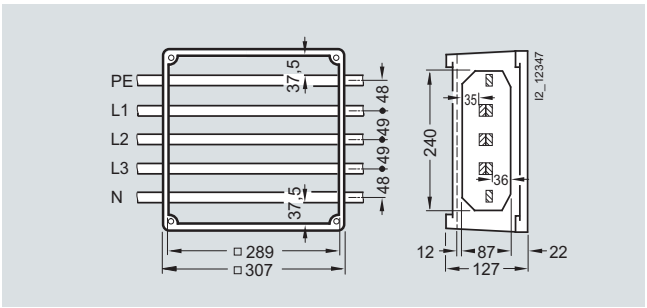
## Position of the busbars in the enclosures



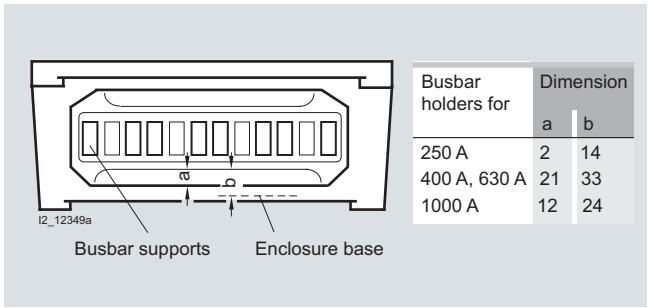

Cu 12 × 5 mm, 250 A and CU 2 × 12 × 5 mm, 400 A




2 × Cu (30 × 10) mm, 1000 A

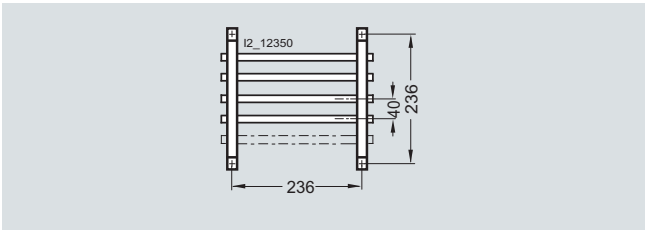



Cu 20 × 8 mm and 2 × Cu (20 × 8) mm, 400 A and 630 A

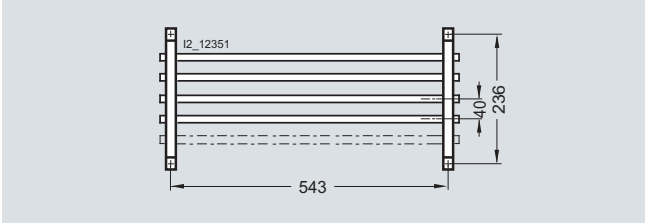



| Busbar holders for | Dimension | |
|---|---|---|
| | a | b |
| 250 A | 2 | 14 |
| 400 A, 630 A | 21 | 33 |
| 1000 A | 12 | 24 |

## Busbar assembly kits




8HP1 790 for enclosure size 2




8HP1 791 for enclosure size 3

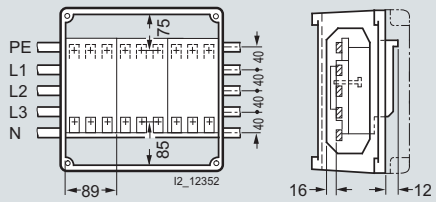
© Siemens AG 2010



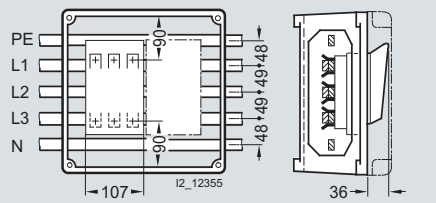
# Dimensional Drawings

## Accessories

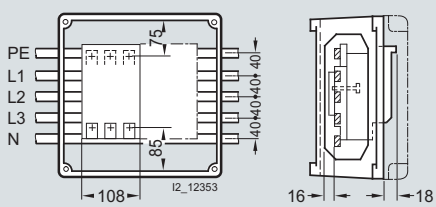
Devices for busbar mounting: Fuse switch disconnectors



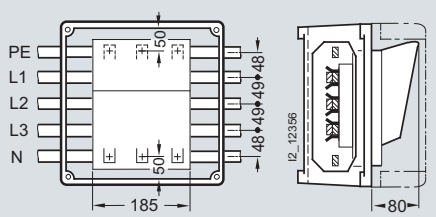

Busbars 250 A for 3NP40 1 switch



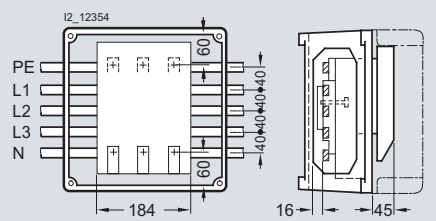

Busbars 400/630 A for 8HP4 310 and 8HP4 311 switches




Busbars 250 A for 3NP40 7 switch




Busbars 400/630 A for 8HP4 314 switch



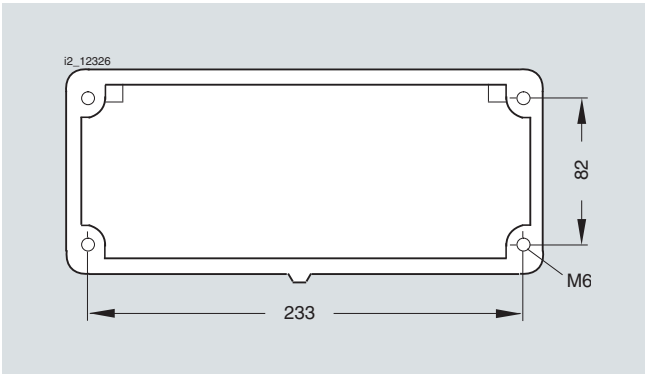

Busbars 250 A for 3NP42 switch

© Siemens AG 2010

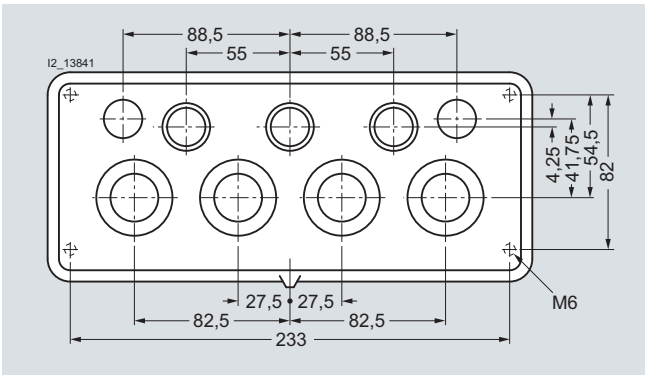


### *Accessories for enclosures*

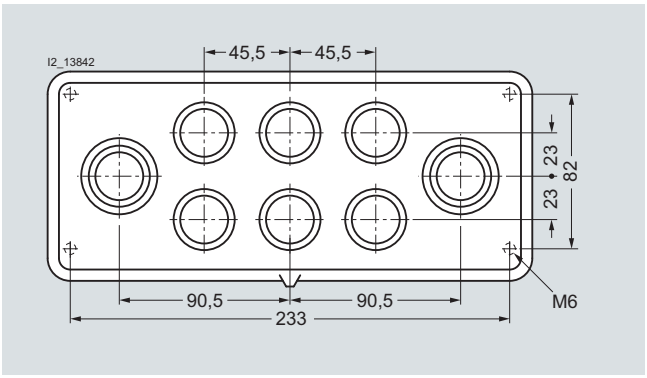
End cover plates



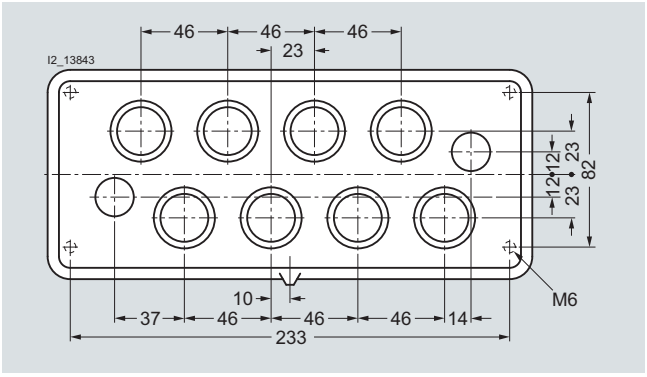

8HP1 500




8HP1 511-1

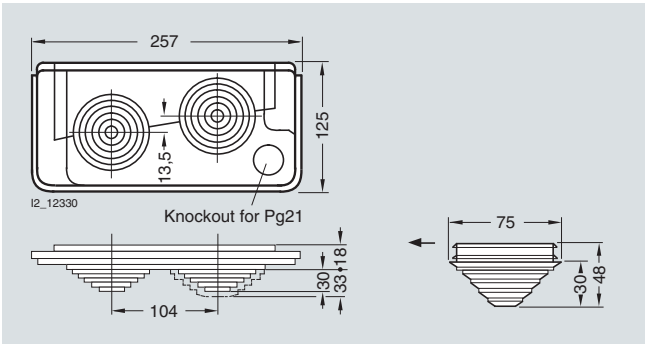



8HP1 512-1




8HP1 513-1

Cable entry plates




8HP1 520

8HP1 525 protective cap for cable entry

8

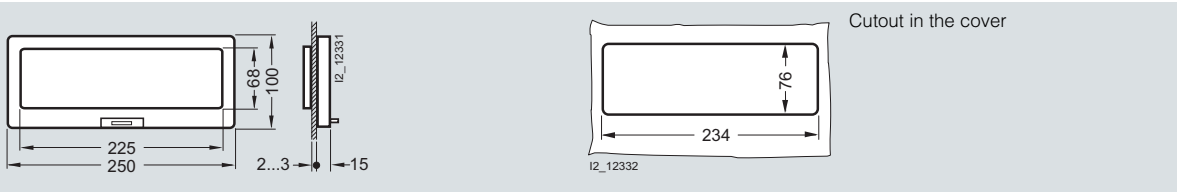
© Siemens AG 2010



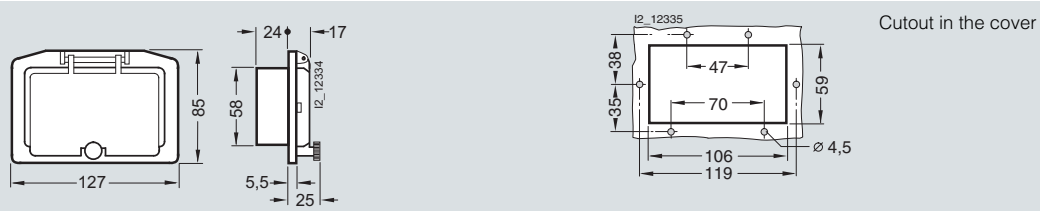
# Dimensional Drawings

## Accessories

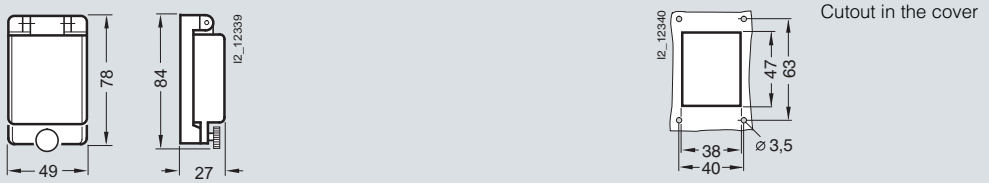
Actuating flaps




8HP1 440

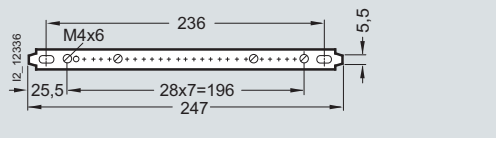



8HP1 441



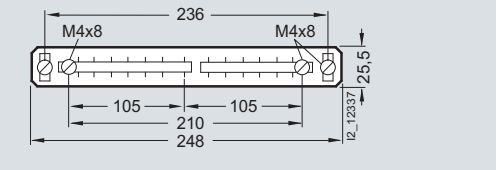

8HP1 442

Mounting rails



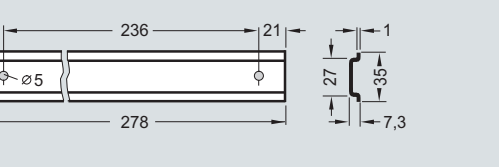

8JK1 13

Support rails




8JH1 41 to 8JK1 13 for meters, time switches and timing relays

Standard mounting rails



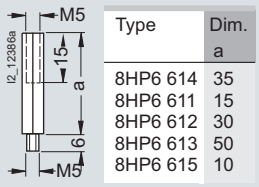

8HP6 510

© Siemens AG 2010



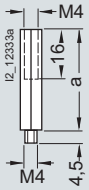
## *Mounting accessories*

### Stud bolts




| Type | Dim. a |
|---|---|
| 8HP6 614 | 35 |
| 8HP6 611 | 15 |
| 8HP6 612 | 30 |
| 8HP6 613 | 50 |
| 8HP6 615 | 10 |

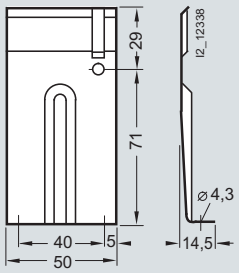
8HP6 6.. stud bolts




| Type | Dim. a |
|---|---|
| 8JH1 353 | 20 |
| 8JH1 354 | 30 |
| 8JH1 355 | 45 |
| 8JH1 356 | 50 |

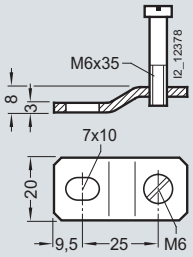
8JH1 35. M4 stud bolts

### Measuring instruments

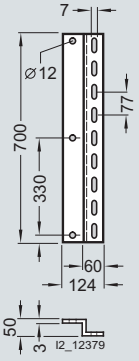



8HP6 201 holder for mounting measuring instruments

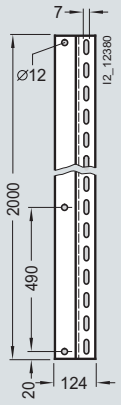
### Wall mounting of distribution boards




8HC3 800 fixing lug for individual enclosures and small distribution boards




8HC3 510 wall-mounting bracket




8HP9 020 wall-mounting bracket

8

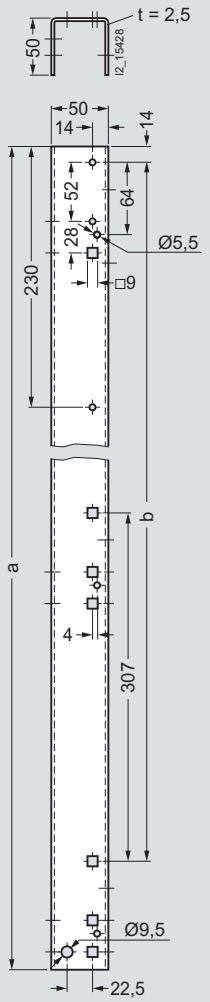
© Siemens AG 2010



# Dimensional Drawings

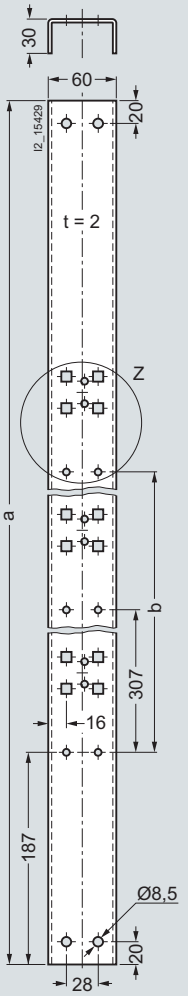
## Accessories

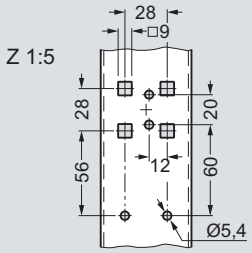
### *Support rack*




| Type | Dimensions | |
|---|---|---|
| | a | b |
| **8HP9 030-3** | 1031 | 3 x 307 = (921) |
| **8HP9 030-4** | 1338 | 4 x 307 = (1228) |
| **8HP9 030-5** | 1645 | 5 x 307 = (1535) |
| **8HP9 030-6** | 1952 | 6 x 307 = (1842) |
| **8HP9 030-7** | 2259 | 7 x 307 = (2149) |

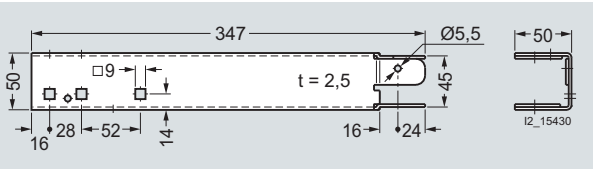
Support profiles (8HP9 030-.)



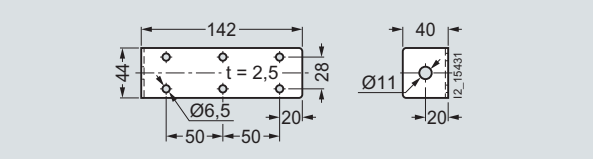




| Type | Dimensions | |
|---|---|---|
| | a | b |
| **8HP9 032-2** | 514 | -- |
| **8HP9 032-3** | 821 | 1 x 307 = (307) |
| **8HP9 032-4** | 1128 | 2 x 307 = (614) |
| **8HP9 032-5** | 1435 | 3 x 307 = (921) |
| **8HP9 032-6** | 1742 | 4 x 307 = (1228) |

Support rails (8HP9 032-.)



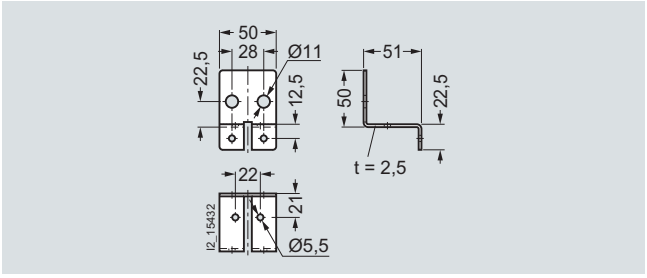

Support profile extensions (8HP9 034)



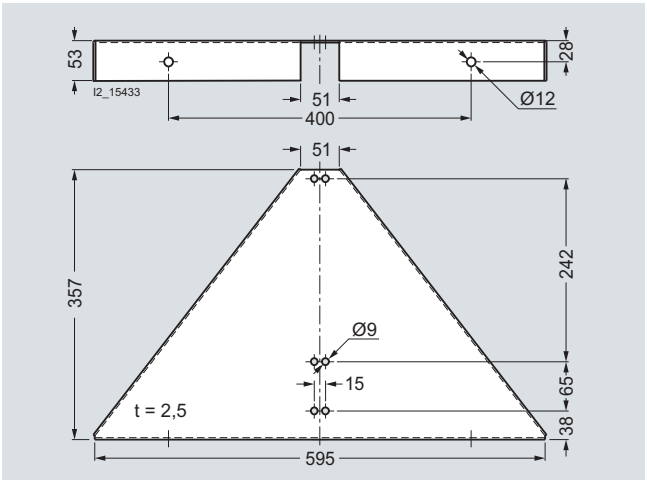

Wall-mounting brackets (8HP9 033)

© Siemens AG 2010

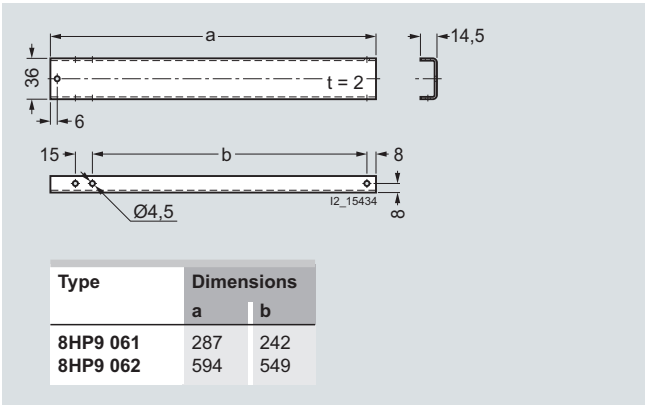





Connecting brackets (8HP9 060)

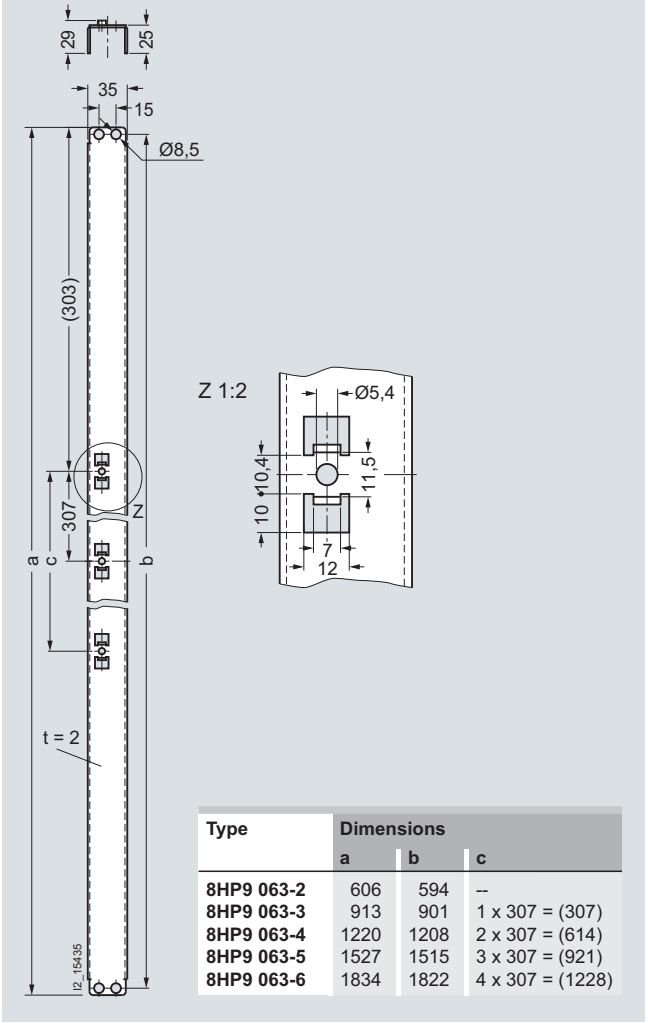



Supporting feet (8HP9 031)



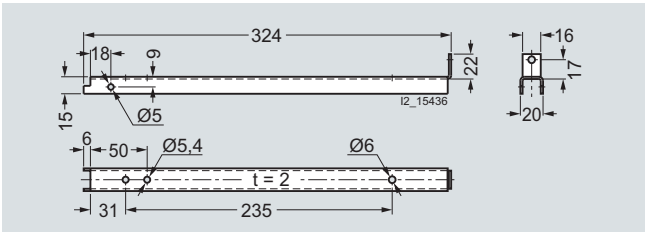

| Type | Dimensions | |
|---|---|---|
| | a | b |
| **8HP9 061** | 287 | 242 |
| **8HP9 062** | 594 | 549 |

Corner profiles (8HP9 061, 8HP9 062) with connecting bracket

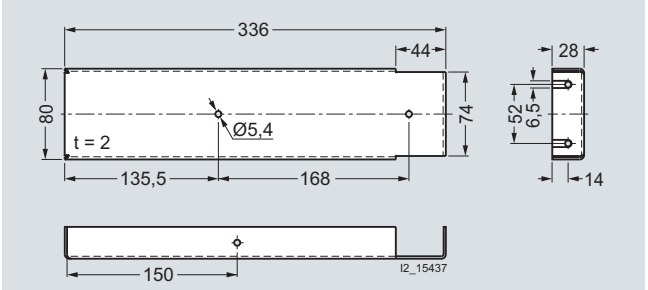



| Type | Dimensions | | |
|---|---|---|---|
| | a | b | c |
| **8HP9 063-2** | 606 | 594 | -- |
| **8HP9 063-3** | 913 | 901 | 1 x 307 = (307) |
| **8HP9 063-4** | 1220 | 1208 | 2 x 307 = (614) |
| **8HP9 063-5** | 1527 | 1515 | 3 x 307 = (921) |
| **8HP9 063-6** | 1834 | 1822 | 4 x 307 = (1228) |

Lateral profiles (8HP9 063-.)




Support struts (8HP9 067)



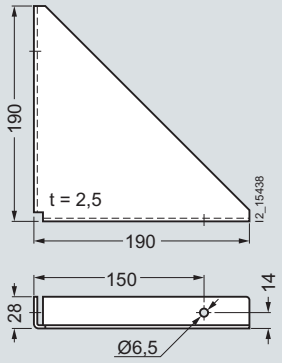

Side supports (8HP9 045)

© Siemens AG 2010

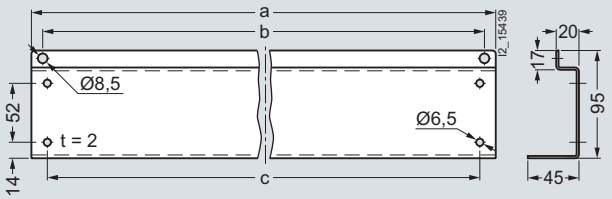


# Dimensional Drawings

## Accessories

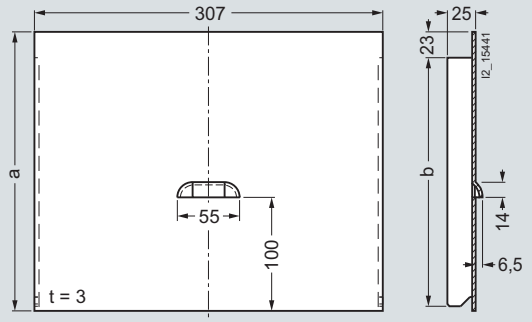



Joining sheets (8HP9 046)



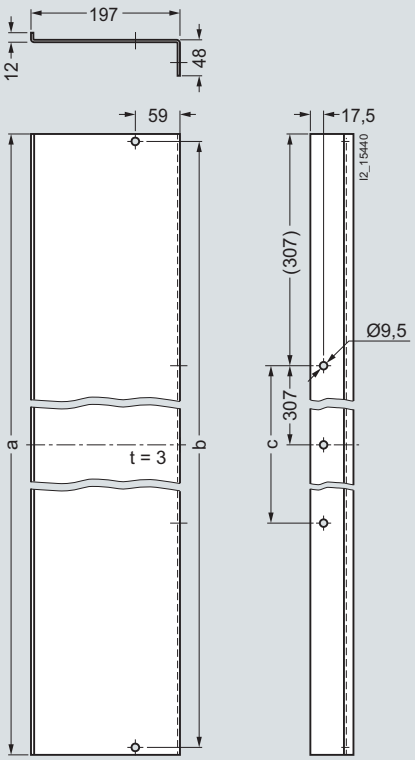

| Type | Dimensions | | |
|---|---|---|---|
| | a | b | c |
| **8HP9 038-2** | 614 | 594 | 586 |
| **8HP9 038-3** | 921 | 901 | 893 |
| **8HP9 038-4** | 1228 | 1208 | 1200 |
| **8HP9 038-5** | 1535 | 1515 | 1507 |
| **8HP9 038-6** | 1842 | 1822 | 1814 |

Baseboards (8HP9 038-.)



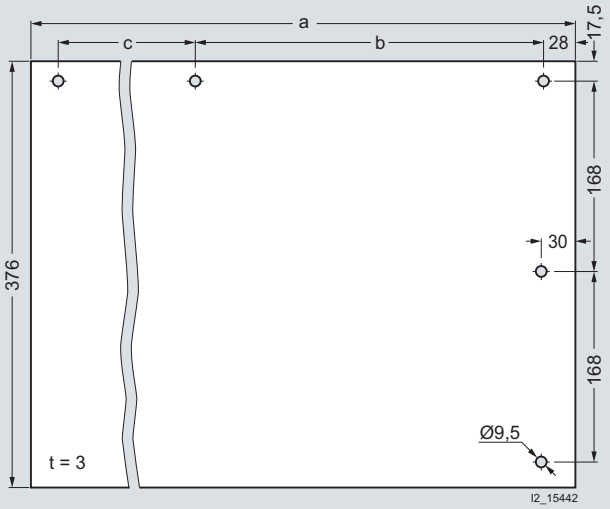

| Type | Dimensions | |
|---|---|---|
| | a | b |
| **8HP9 071** | 246 | 219 |
| **8HP9 072** | 553 | 526 |

Front covers (8HP9 071/8HP9 072)




| Type | Dimensions | | |
|---|---|---|---|
| | a | b | c |
| **8HP9 073-2** | 614 | 594 | -- |
| **8HP9 073-3** | 921 | 901 | 1 x 307 = (307) |
| **8HP9 073-4** | 1228 | 1208 | 2 x 307 = (614) |
| **8HP9 073-5** | 1535 | 1515 | 3 x 307 = (921) |
| **8HP9 073-6** | 1842 | 1822 | 4 x 307 = (1228) |

Covers, top (8HP9 073-.)




| Type | Dimensions | | |
|---|---|---|---|
| | a | b | c |
| **8HP9 081** | 359 | 307 | -- |
| **8HP9 082** | 666 | 307 | 307 |

Side panels (8HP9 081/8HP9 082)

© Siemens AG 2010





© Siemens AG 2010



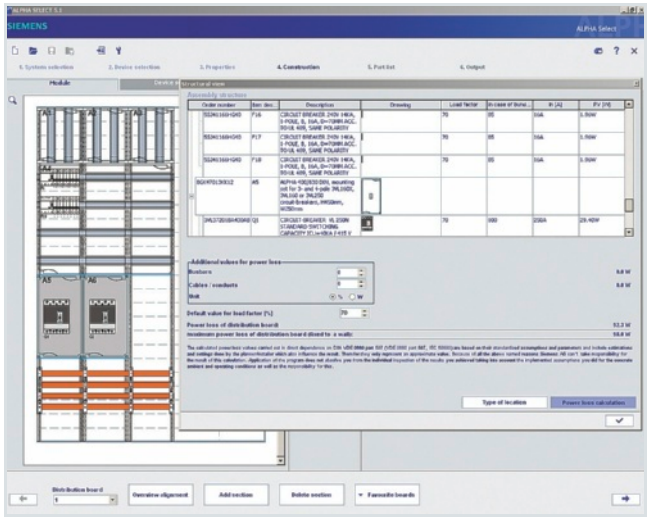
## ALPHA SELECT

### Overview

Whether you are an installation engineer or a control cabinet engineer, an electrical wholesaler or a planner – the ALPHA SELECT software makes it quicker and easier than ever before to plan and configure distribution boards and meter cabinets. Easy-to-use, intuitive functions accompany you step-by-step through the entire project, from planning to installation. Configuration errors are virtually impossible thanks to the collision tests and configuration rules saved in the program.

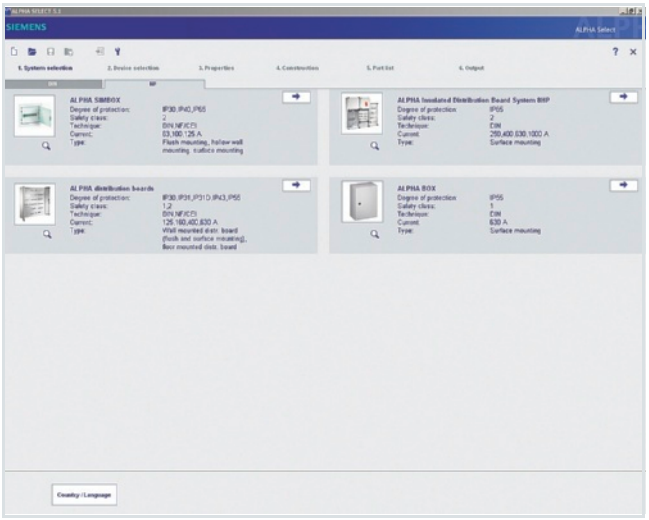
ALPHA SELECT comprises:
- ALPHA SIMBOX small distribution boards
- ALPHA 400-ZS meter cabinets
- ALPHA distribution boards
- ALPHA 8HP molded-plastic distribution boards
- ALPHA BOX

In addition you can use the electronic catalogs (EGH selection catalog and CA 01) to select BETA low-voltage circuit protection products, GAMMA *instabus* products (for building management) and many other items from the Siemens Industry product selection.

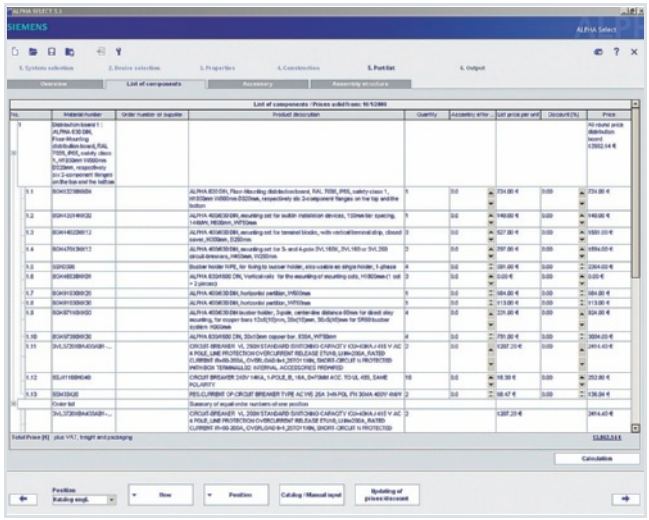


Calculation of power loss

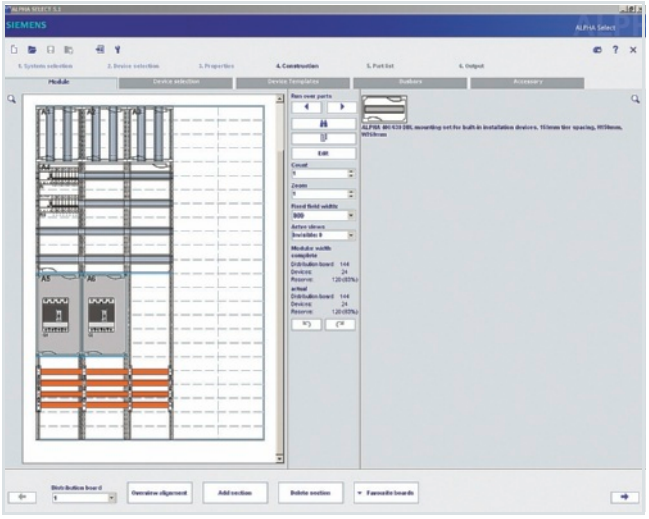




Selection of the ALPHA distribution system



Parts list with calculation



Distribution board equipment, front view

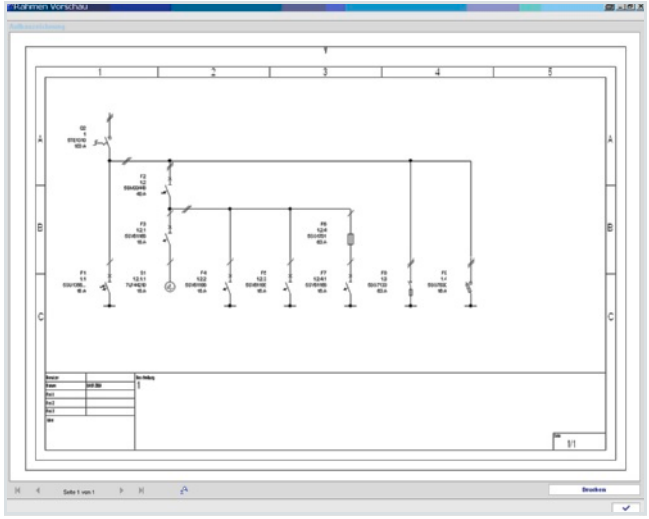


Illustration of the device structure as single-pole circuit diagram

© Siemens AG 2010





The process is started by selecting a suitable distribution system. By specifying the required degree of protection, safety class and dimensions, you will then find the right distribution board. Finally, simply select the assembly kits, devices and accessories of your choice using drag & drop. Essential accessories are determined automatically. When selecting the devices, customer specifications can either be prepared using item numbers or in accordance with the electrical structure. In case 2 a graphical representation in the form of a 1-pole circuit diagram has been available since the launch of Version 6.0.

The design's graphic display enables individual levels, e.g. of covers, equipment racks or devices, to be visualized, rendered transparent or hidden so that the user can obtain an overview of already configured components at any time.

There is also an integrated option for power loss calculation which enables comparison of the calculated power loss values of the devices installed in the distribution board with the thermal rating of the distribution board, giving due consideration to the point of installation and the permissible overtemperature (related to 35 °C ambient temperature).

Frequently required components can be saved as favorites for integration in other projects at any time.

Used in conjunction with existing calculation aids, users are able to tailor parts lists, assembly drawings and assembly structures to individual requirements and output as both a hard copy and in electronic form.

In addition to planning and calculation in the program itself, this enables users to produce parts lists and graphic documentation, which can be submitted to customers along with a quotation or as an aid to ordering any components required.

The workshop edition, which comprises a structured list of distribution boards and their parts, as well as a graphic representation of various levels chosen by the user, directly supports the building of distribution boards configured using ALPHA SELECT.

http://www.siemens.com/alpha-select

## Benefits

- Cabinet selection: simple selection of cabinet system, degree of protection, safety class and dimensions
- Selection of equipment using technical specifications
- Alternative structuring of the devices according to
  - Electrical structure and graphic output as 1-pole circuit diagram
  - Item numbers in the customer specifications
- Positioning of assembly kits and devices using drag & drop
- Automatic determination of key accessories
- Numbering of assembly kits in the assembly drawing
- Automatic issue of item codes for devices
- Calculation of power loss
- Differentiated calculation options, including allowance made for assembly work
- Listing in the assembly structure of devices placed in the assembly kits, including numbering of the assembly kits and the item codes of the devices.
- Easy drawing up of quotations for projects: clearly arranged output selection for parts lists, assembly drawing and assembly structure.
- Clearly arranged calculation aids. Calculations for individual items and assembly, for material surcharges, shipment costs, discounts and miscellaneous extras are easy to perform in the parts list. Standard discounts for each price group can also be saved in the memory.
- Option for quotations with individual company logo.
- Update over the web with quick download times.
- Manual available per download.

## Technical specifications

ALPHA SELECT system requirements:
- Processor: > 1 GHz
- Main memory: minimum 512 MB
- Operating system: VISTA/XP/2000
- Free hard disk space: 100 ... 500 MB (depending on the number of modules installed)
- Display resolution: minimum 1024×768 with 16-bit color intensity

## More information

Support for planning and configuration is available from:
- Tel.: +49 180 5050 222 (€0.14/minute from a German landline)
- Fax: +49 180 5050 223 (€0.14/minute from a German landline)
- E-mail: support.automation@siemens.com

© Siemens AG 2010

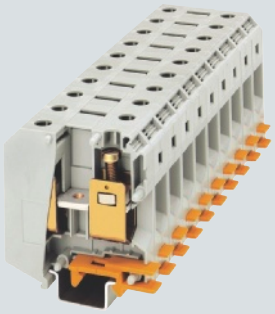


## Notes

© Siemens AG 2010

# Screw Terminals

10




| | | |
|---|---|---|
| | 10/2 | Introduction |
| 8WA terminals | 10/5 | General data on 8WA |
| | 10/7 | 8WA through-type terminals[1)] |
| | 10/13 | 8WA neutral isolating and branch terminals |
| | 10/15 | 8WA Insta or three-tier terminals |
| | 10/17 | 8WA two-tier terminals |
| | 10/19 | 8WA two-tier terminals with electronic components |
| | 10/21 | 8WA diode and isolating terminals |
| | 10/22 | 8WA terminals for components |
| | 10/23 | 8WA fuse terminals |
| | 10/24 | 8WA through-type terminals with soldered and plug-in connection |
| | 10/25 | 8WA measuring transformer terminals |
| | 10/29 | 8WA transformer terminals |
| | 10/30 | 8WA support rails/protective conductor busbars |
| | 10/31 | 8WA general technical specifications |
| 8WH terminals | 10/35 | General data on 8WH NEW |
| | 10/36 | 8WH through-type terminals[1)] NEW |
| | 10/42 | 8WH fuse terminals NEW |
| | 10/44 | 8WH isolating blade terminals NEW |
| | 10/45 | 8WH isolating terminals NEW |
| | 10/46 | 8WH two-tier terminals[1)] NEW |
| | 10/49 | 8WH two-tier terminals with isolating function/isolating blade NEW |
| | 10/50 | 8WH diode terminals NEW |
| | 10/52 | 8WH two-tier diode terminals NEW |
| | 10/54 | 8WH high-current terminals[1)] |
| | 10/59 | 8WH bolt-type screw terminals |
| | 10/61 | 8WH flat terminals |
| | 10/65 | 8WH shield terminals |

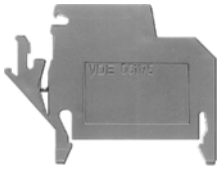
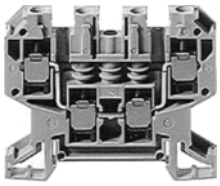
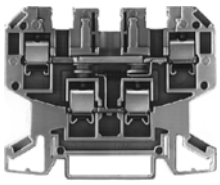
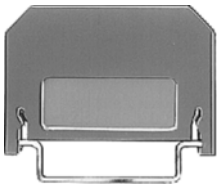
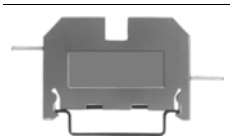

[1)] Also available as a PE version.

© Siemens AG 2010



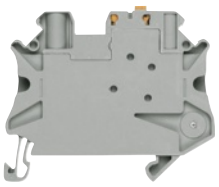
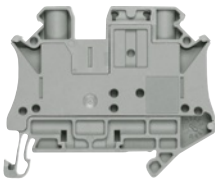
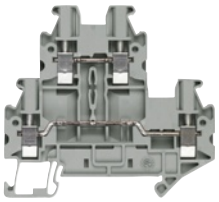
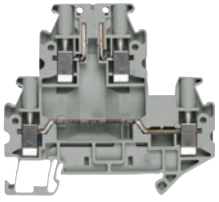
## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
| **8WA terminals** | | | |
|  | 8WA through-type terminals | 10/7 | Connection of incoming and outgoing cables up to 70 mm$^2$ |
|  | 8WA neutral isolating and branch terminals | 10/13 | Connection of neutral isolating terminal to neutral busbar 6 mm × 6 mm |
|  | 8WA Insta or three-tier terminals | 10/15 | These terminals have up to three terminal functions in one enclosure and may also have a neutral isolating terminal connection to a neutral busbar 6 mm × 6 mm. They are optimized for distribution board applications in installation technology |
|  | 8WA two-tier terminals | 10/17 | Compact design of the terminal blocks, which can accommodate installation of two connecting cables |
|  | 8WA two-tier terminals with solid-state components | 10/19 | Terminal blocks with integrated diodes |
|  | 8WA diode and isolating terminals | 10/21 | Terminal blocks with integrated diodes or isolation for testing purposes |
|  | 8WA terminals for components | 10/22 | Terminals that enable installation of components in the circuit |
|  | 8WA fuse terminals | 10/23 | Terminals that protect, e.g. control circuits |
|  | 8WA through-type terminals with soldered and plug-in connection | 10/24 | Terminals with connection for soldered or plug-in connection |

© Siemens AG 2010



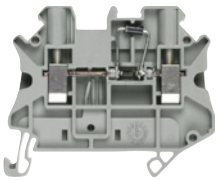
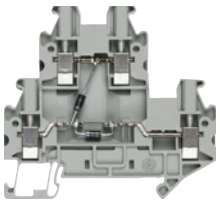
| | Devices | Page | Function |
|---|---|---|---|
|  | 8WA measuring transformer terminals | 10/25 | Measuring transformer terminals can be used for testing and isolating circuits in switchgear installations, control rooms, etc. without interrupting operation |
|  | 8WA transformer terminals | 10/29 | Optimized terminals for transformers and rectifiers |
| **8WH terminals** | | | |
|  | Through-type terminals NEW | 10/36 | Connection of incoming and outgoing conductors up to 35 $mm^2$ |
|  | Fuse terminals NEW | 10/42 | Terminals that protect, e.g. control circuits |
|  | Isolating blade terminals NEW | 10/44 | Isolation of the circuit, e.g. for test purposes |
|  | Isolating terminals NEW | 10/45 | Isolation of the circuit, e.g. for test purposes |
|  | Two-tier terminals NEW | 10/46 | Compact design of the terminal blocks, which can accommodate installation of two connecting cables |
|  | Two-tier terminals with isolating function NEW | 10/49 | Compact design of the terminal blocks, which can accommodate installation of two connecting cables |

© Siemens AG 2010



# Screw Terminals

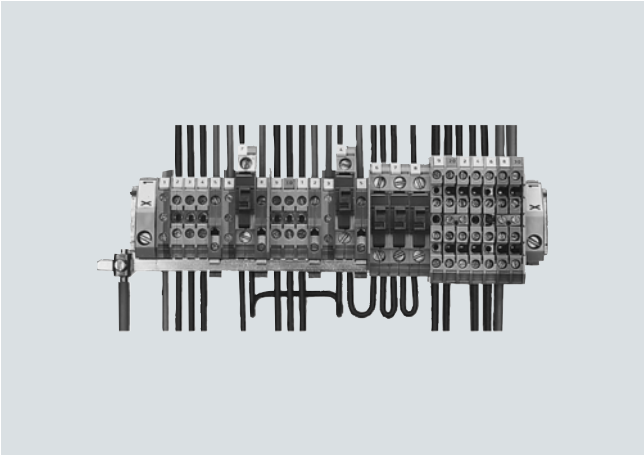
## Introduction

| | Devices | Page | Function |
|---|---|---|---|
|  | Diode terminals | 10/50 | Terminal blocks with integrated diodes |
|  | Two-tier diode terminals | 10/52 | Terminal blocks with integrated diodes |
|  | 8WH high-current terminals | 10/54 | Connection of incoming and outgoing cables from 50 to 240 $mm^2$ |
|  | 8WH bolt-type screw terminals | 10/59 | Connection of incoming and outgoing cables for cable lugs according to DIN 46234 and DIN 46237 |
|  | 8WH flat terminals | 10/61 | Connection of incoming and outgoing cables for cable lugs according to DIN 46234 and DIN 46237 from 25 to 240 $mm^2$ |
|  | 8WH shield terminals | 10/65 | Terminals for connection of shielded cables |

© Siemens AG 2010



## Overview



Terminal strips with different terminal blocks: 8WA1 011-1DG11 terminal blocks, 8WA1 011-1NG31 neutral isolating terminals with feeder terminal for neutral busbar 6 × 6 mm, 8WA1 011-1PG00 PE terminals, 8WA1 011-1SF12 fuse terminals, and various two-tier terminals. The EN 50022-35-compliant standard mounting rail serves as the PE bar.

Terminal blocks are used for the space-saving connection of incoming and outgoing lines in switchgear and distribution boards.

### *Standards*

EN 60664-1,
EN 60999 and
IEC 60 947-7-1 or
IEC 60 947-7-2.

The terminals are finger-safe according to IEC 60529 and EN 50274 (except for bare terminals and soldered connections). Through-type terminals are resistant to earthquakes according to IEC 60068-2-6.

### *Rated short-time withstand current*

Our screw terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm$^2$ specific to the nominal cross-section for a duration of one second.

### *Colored terminal blocks*

With colored wiring according to EN 60204-1, the connecting level can also be included in the colored markings:

- Red for control circuits with AC current
- Blue for control circuits with DC current or neutral conductor
- Orange for interlock circuits with AC or DC current which are fed from outside and are live when the main switch is turned off
- Green-yellow through-type terminals for protective conductors (without a link to the support rail).

### *Design*

The terminal blocks are insulated on both sides, with the exception of two-tier, flat and bolt-type screw terminals, which are insulated on one side only.

The insulating material for terminal sizes up to 70 mm$^2$ is made of thermoplastic, polyamide 6.6.

The materials used are environment-friendly: For example, they are cadmium-free and contain no halogens or silicone.

The plastics used are flame-retardant and self-extinguishing according to EN 60695-2-2, VDE 0471 Part 2-2 and UL 94 V-2.

### *Clamping methods*

The terminals are designed so that when the terminal screws are tightened, any tensile stress which occurs causes elastic deformation of the terminal bodies. This compensates for any creepage of the clamping conductor. The deformation of the threaded section prevents loosening of the clamping screw, even under heavy mechanical and thermal strain (for example vibration stress of 10 *g* or thermal cycles).

The following clamping methods are used: terminal body with pressure plate for terminal sizes 16, 35 and 70 mm$^2$. Strain-relief clamps for terminal sizes 2.5, 4 and 6 mm$^2$. Screw with connection disk for fuse terminals and component terminals.

### *Terminal size*

The terminal size corresponds to the nominal cross-section. According to EN 60947-7-1, a finely stranded copper conductor of nominal cross-section can be connected to any clamping point with or without end sleeve.

### *Mounting*

The terminals are snapped onto 35 mm support rails according to IEC 60715 TH35 and secured against movement using end retainers.

A lateral mounting tolerance of 0.2 mm must be maintained between the terminals.

### *Conductor connections*

Except for flat and bolt-type versions, all terminals are designed so that solid, stranded and finely stranded conductors with or without end sleeves (according to DIN 46228) can be securely clamped (please observe cross-section).

Damage to the clamped conductors is prevented by pressure plates or strain-relief clamps. For the conductor cross-sections when 1 or 2 conductors are connected, see technical specifications.

© Siemens AG 2010

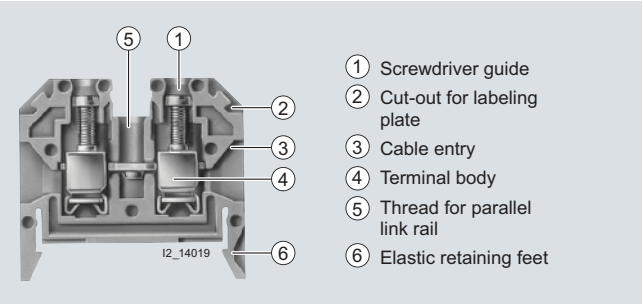


## General data on 8WA

### *Connection of aluminum conductors*

Siemens screw terminals are suitable for connecting aluminum conductors when the normal processing guidelines are complied with prior to connection, e.g. the brushing and greasing of conductors.

After a few days, the connection should be tightened again for safety reasons.




8WA1 through-type terminals with screw terminals at both ends, sectional view

### *PE and PEN terminals*

In switchgear and controlgear systems the support rails for the terminal blocks are frequently used as protective ground busbars. The PE (protective ground) terminals provide the connection to the support rail.

The fact that there is no separate PE busbar means the PE terminals, the insulated main conductor terminals and neutral isolating terminals can be arranged according to user requirements. This makes the individual circuits clearly manageable.

The bare 8WA1 010-1PH01 PE terminals are primarily for connecting the shields of screened cables. They are normally mounted on a standard mounting rail, which is installed on an 8WA1 857 insulation carrier.

### *Accessories*

Parallel link rails

The link rails are screwed into the terminals from above and allow parallel connection of up to 10 terminals up to terminal size 35 mm$^2$. The 10-pole link rails can be shortened as required. On 70 mm$^2$ terminals the link rails are two-pole. On the 50 mm$^2$ to 240 mm$^2$ terminals they are inserted in the clamping points. Link rails for flat and bolt-type screw terminals are not included in delivery.

Barriers

Barriers are yellow in color and project beyond the contours of the terminals. They serve the visual separation of groups of terminals, the electrical isolation of adjacent link rails and to improve the insulation rating for soldered and plug-in connections.

Insulation plates

8WA1 825 and 8WA1 822-7TK00 insulation plates can be used with different terminals for providing electrical insulation between link rails.

Test sockets and plugs

The 8WA1 854 test sockets for ∅ 2.3 test plugs and reduction plugs with a Ø 4 mm borehole can be screwed into some terminals in place of the link rails.

Jumpers

The 8WA1 865 jumpers provide a detachable connection between two adjacent terminals sizes 2.5 to 6 mm$^2$.

Covers with lightning symbol

The purpose of these covers is to identify the power input terminals. At the same time, they provide additional touch protection.

End retainers and labeling plates

End retainers are available in thermoplastic or galvanized and chromated steel. The end labeling plate can be fitted in an 8WA1 808 end retainer or, in any of three positions, in an 8WA1 805 end retainer.

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **General details**<br>• Thermoplastic insulating body<br>• Screw terminals at both ends<br>• Enclosed at both ends | | | | | | | | |
| Note | Section | Page | | | | | | |
| *For labeling accessories see ...* | *Accessories* | 16/13 | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | | | |
|  <br>8WA1 011-1DF11 | **Through-type terminals, terminal size 2.5 mm²**<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage 800 V<br>• Mounting width 6 mm<br>• Terminal height 26 mm<br>• Terminal length 41 mm<br>• AWG 22-12<br>• AWG 18-12 | | | | | | | |
| Versions | | | | | | | | |
| • Single terminals | | | | | | | | |
| - Beige | | | A | **8WA1 011-1DF11** | | 1 | 100 | 041 |
| - Blue | | | A | **8WA1 011-1BF23** | | 1 | 50 | 041 |
| - Red | | | C | **8WA1 011-1BF21** | | 1 | 50 | 041 |
| - Orange | | | C | **8WA1 011-1BF22** | | 1 | 50 | 041 |
| - Yellow | | | C | **8WA1 011-1BF26** | | 1 | 50 | 041 |
| - Black | | | C | **8WA1 011-1BF24** | | 1 | 50 | 041 |
| - Green | | | C | **8WA1 011-1BF25** | | 1 | 50 | 041 |
|  <br>8WA1 011-3DF21 | | | | | | | | |
| • Terminal blocks | | | | | | | | |
| - Beige, 3-pole, width 18 mm | | | A | **8WA1 011-3DF21** | | 1 | 10 | 041 |
| - Beige, 10-pole, width 61 mm, labeled 1 ... 10 | | | A | **8WA1 011-0DF22** | | 1 | 20 | 041 |
| - Beige, 10-pole, width 61 mm, without inscription | | | A | **8WA1 011-0DF21** | | 1 | 20 | 041 |
|  <br>8WA1 011-0DF21 | | | | | | | | |
| Accessories | Section | Page | | | | | | |
| • *Covers* | | | | | | | | |
| - *With lightning symbol, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 10/11 | C | **8WA1 810** | | 1 | 50 | 041 |
| - *White, facility for inscription, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 10/11 | D | **8WA1 860** | | 1 | 50 | 041 |
| - *For link rails* | | | | | | | | |
| ◦ *Transparent, for terminal size 2.5 ... 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| ◦ *White, facility for inscription, for terminal size 2.5 ... 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
| • *Links, for terminal size 2.5 mm²* | *Accessories* | 10/11 | C | **8WA1 822-7VF01** | | 1 | 50 | 041 |
| • *Test sockets* | *Accessories* | 10/12 | D | **8WA1 854** | | 1 | 100 | 041 |
| • *Jumpers*<br>*Note: Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1 820 barriers are required.* | *Accessories* | 10/12 | D | **8WA1 865** | | 1 | 50 | 041 |
| • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/12 | C | **8WA1 825** | | 1 | 50 | 041 |
| • *Link rails, for terminal size 2.5 mm²* | | | | | | | | |
| - *For two terminals* | *Accessories* | 10/12 | A | **8WA1 895** | | 1 | 50 | 041 |
| - *For three terminals* | *Accessories* | 10/12 | A | **8WA1 896** | | 1 | 50 | 041 |
| - *For four terminals* | *Accessories* | 10/12 | C | **8WA1 897** | | 1 | 20 | 041 |
| - *For ten terminals* | *Accessories* | 10/12 | C | **8WA1 898** | | 1 | 10/200 | 041 |
| • *Barriers, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 10/12 | A | **8WA1 820** | | 1 | 50 | 041 |
|  <br>8WA1 011-1PF01 | **Through-type PE terminals, terminal size 2.5 mm²**<br>• Green-yellow<br>• Mounting width 6 mm<br>• Terminal height 26 mm<br>• Terminal length 51 mm | | | | | | | |
| Versions | | | | | | | | |
| • One screw terminal | | | A | **8WA1 011-1PF01** | | 1 | 50 | 041 |
| • Two screw terminals | | | A | **8WA1 011-1PF00** | | 1 | 50 | 041 |
| Accessories | Section | Page | | | | | | |
| *Barriers, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 10/12 | A | **8WA1 820** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA through-type terminals

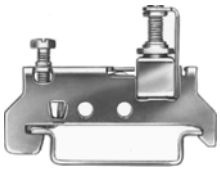
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WA1 011-1DG11 | **Through-type terminals, terminal size 4 mm²**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 800 V<br>• Mounting width 6.5 mm<br>• Terminal height 30 mm<br>• Terminal length 41 mm<br>• AWG 18-10<br>• AWG 18-10 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Single terminals | | | | | | | | |
| | - Beige | | | A | **8WA1 011-1DG11** | | 1 | 100 | 041 |
| | - Blue | | | A | **8WA1 011-1BG11** | | 1 | 50 | 041 |
| | - Red | | | C | **8WA1 011-1BG21** | | 1 | 50 | 041 |
| | - Orange | | | C | **8WA1 011-1BG22** | | 1 | 50 | 041 |
| | - Black | | | C | **8WA1 011-1BG24** | | 1 | 50 | 041 |
|  8WA1 011-0DG21 | • Terminal blocks | | | | | | | | |
| | - Beige, 3-pole, width 19.5 mm | | | A | **8WA1 011-3DG21** | | 1 | 10 | 041 |
| | - Beige, 10-pole, width 65.5 mm, labeled 1 ... 10 | | | A | **8WA1 011-0DG22** | | 1 | 20 | 041 |
| | - Beige, 10-pole, width 65.5 mm, without inscription | | | A | **8WA1 011-0DG21** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers* | | | | | | | | |
| | - *With lightning symbol, for terminal sizes 4 and 6 mm²* | *Accessories* | 10/11 | C | **8WA1 811** | | 1 | 50 | 041 |
| | - *White, facility for inscription, for terminal sizes 4 and 6 mm²* | *Accessories* | 10/11 | D | **8WA1 862** | | 1 | 50 | 041 |
| | - *For link rails* | | | | | | | | |
| | ◦ *Transparent, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | ◦ *White, facility for inscription, for terminal size 2.5 ... 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
| | • *Links, for terminal size 4 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7VG00** | | 1 | 50 | 041 |
| | • *Terminal strips* | *Accessories* | 10/12 | X | **8WA1 741-2X** | | 1 | 5 | 041 |
| | • *Test sockets* | *Accessories* | 10/12 | D | **8WA1 854** | | 1 | 100 | 041 |
| | • *Jumpers*<br>*Note: Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1 820 barriers are required.* | *Accessories* | 10/12 | D | **8WA1 865** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/12 | C | **8WA1 825** | | 1 | 50 | 041 |
| | • *Link rails, for terminal size 4 mm²* | | | | | | | | |
| | - *For two terminals* | *Accessories* | 10/12 | A | **8WA1 850** | | 1 | 50 | 041 |
| | - *For three terminals* | *Accessories* | 10/12 | C | **8WA1 851** | | 1 | 50 | 041 |
| | - *For four terminals* | *Accessories* | 10/12 | C | **8WA1 852** | | 1 | 20 | 041 |
| | - *For ten terminals* | *Accessories* | 10/12 | C | **8WA1 853** | | 1 | 10 | 041 |
| | • *Barriers, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 10/12 | A | **8WA1 820** | | 1 | 50 | 041 |
|  8WA1 011-1PG01 | **Through-type PE terminals, terminal size 4 mm²**<br>• Green-yellow<br>• Mounting width 7.2 mm<br>• Terminal height 30 mm<br>• Terminal length 51 mm<br>• | | | | | | | | |
| | Versions | | | | | | | | |
| | • One screw terminal | | | A | **8WA1 011-1PG01** | | 1 | 50 | 041 |
| | • Two screw terminals | | | A | **8WA1 011-1PG00** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Barriers, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 10/12 | A | **8WA1 820** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WA1 011-1DH11 | **Through-type terminals, terminal size 6 mm²**<br>• Rated uninterrupted current 41 A<br>• Rated insulation voltage 800 V<br>• Mounting width 8 mm<br>• Terminal height 33 mm<br>• Terminal length 41 mm<br>• AWG 14-8<br>• AWG 16-8 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Single terminals | | | | | | | | |
| | - Beige | | | A | **8WA1 011-1DH11** | | 1 | 50 | 041 |
| | - Blue | | | A | **8WA1 011-1BH23** | | 1 | 50 | 041 |
| | - Black | | | C | **8WA1 011-1BH24** | | 1 | 50 | 041 |
|  8WA1 011-3DH21 | • Terminal blocks | | | | | | | | |
| | - Beige, 3-pole, width 24.5 mm | | | A | **8WA1 011-3DH21** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers* | | | | | | | | |
| | - *With lightning symbol, for terminal sizes 4 ... 6 mm²* | *Accessories* | 10/11 | C | **8WA1 811** | | 1 | 50 | 041 |
| | - *White, facility for inscription, for terminal sizes 4 and 6 mm²* | *Accessories* | 10/11 | D | **8WA1 862** | | 1 | 50 | 041 |
| | - *For link rails, transparent, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | • *Links, for terminal size 6 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7VH00** | | 1 | 50 | 041 |
| | • *Test sockets* | *Accessories* | 10/12 | D | **8WA1 854** | | 1 | 100 | 041 |
| | • *Jumpers*<br>*Note: Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1 820 barriers are required.* | *Accessories* | 10/12 | D | **8WA1 865** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/12 | C | **8WA1 825** | | 1 | 50 | 041 |
| | • *Link rails, for terminal size 6 mm²* | | | | | | | | |
| | - *For two terminals* | *Accessories* | 10/12 | A | **8WA1 885** | | 1 | 50 | 041 |
| | - *For three terminals* | *Accessories* | 10/12 | C | **8WA1 886** | | 1 | 50 | 041 |
| | - *For four terminals* | *Accessories* | 10/12 | C | **8WA1 887** | | 1 | 20 | 041 |
| | - *For ten terminals* | *Accessories* | 10/12 | C | **8WA1 888** | | 1 | 10 | 041 |
| | • *Barriers, for terminal sizes 6 and 16 mm²* | *Accessories* | 10/12 | A | **8WA1 821** | | 1 | 50 | 041 |
|  8WA1 010-1PH01 | **Through-type PE terminals, terminal size 6 mm², one screw terminal**<br>• Bare<br>• Mounting width 6 mm<br>• Terminal height 25 mm<br>• Terminal length 44 mm<br>• Also for use as shield terminal | | | C | **8WA1 010-1PH01** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Barriers, for terminal sizes 6 and 16 mm²* | *Accessories* | 10/12 | A | **8WA1 821** | | 1 | 50 | 041 |
|  8WA1 011-1PH00 | **Through-type PE terminals, terminal size 6 mm², two screw terminals**<br>• Green-yellow<br>• Mounting width 8 mm<br>• Terminal height 33 mm<br>• Terminal length 51 mm<br>• | | | A | **8WA1 011-1PH00** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Barriers, for terminal sizes 6 and 16 mm²* | *Accessories* | 10/12 | A | **8WA1 821** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Screw Terminals

## 8WA through-type terminals



### Terminal size 16 mm²



8WA1 204


8WA1 304

**Through-type terminals, terminal size 16 mm²**
- Rated uninterrupted current 76 A
- Rated insulation voltage 800 V
- Mounting width 10 mm
- Terminal height 38 mm
- Terminal length 41 mm
- AWG 12-4
- AWG 14-6

| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Single terminals | | | | | | | | |
| - Beige | | | A | **8WA1 204** | | 1 | 20 | 041 |
| - Blue | | | A | **8WA1 011-1BK11** | | 1 | 10 | 041 |
| • Terminal blocks | | | | | | | | |
| - 3-pole, width 30 mm | | | C | **8WA1 304** | | 1 | 20 | 041 |
| **Accessories** | **Section** | **Page** | | | | | | |
| • *Covers* | | | | | | | | |
| - *With lightning symbol, for terminal size 16 mm²* | *Accessories* | 10/11 | C | **8WA1 812** | | 1 | 50 | 041 |
| - *White, facility for inscription, for terminal size 16 mm²* | *Accessories* | 10/11 | C | **8WA1 892** | | 1 | 50 | 041 |
| - *For link rails, transparent, for terminal sizes 16 and 35 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX02** | | 1 | 10 | 041 |
| • *Insulation plates, for terminal sizes 16 and 35 mm²* | *Accessories* | 10/12 | C | **8WA1 822-7TK00** | | 1 | 50 | 041 |
| • *Link rails, for terminal size 16 mm²* | | | | | | | | |
| - *For two terminals* | *Accessories* | 10/12 | C | **8WA1 842** | | 1 | 20 | 041 |
| - *For three terminals* | *Accessories* | 10/12 | C | **8WA1 845** | | 1 | 20 | 041 |
| - *For four terminals* | *Accessories* | 10/12 | D | **8WA1 848** | | 1 | 10 | 041 |
| - *For ten terminals* | *Accessories* | 10/12 | A | **8WA1 802** | | 1 | 10 | 041 |
| • *Barriers, for terminal sizes 6 and 16 mm²* | *Accessories* | 10/12 | A | **8WA1 821** | | 1 | 50 | 041 |



8WA1 011-1PK00

**Through-type PE terminals and through-type PEN terminals, terminal size 16 mm²**
- Green-yellow
- For $I$ = 76 A
- Mounting width 12 mm
- Terminal height 38 mm
- Terminal length 53 mm
- Two screw terminals
-

| Accessories | Section | Page | | | | | | |
|---|---|---|---|---|---|---|---|---|
| *Barriers, for terminal sizes 6 and 16 mm²* | *Accessories* | 10/12 | A | **8WA1 821** | | 1 | 50 | 041 |
| | | | A | **8WA1 011-1PK00** | | 1 | 25 | 041 |

### Terminal size 35 mm²



8WA1 205


8WA1 305

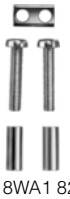
**Through-type terminals, terminal size 35 mm²**
- Rated uninterrupted current 125 A
- Rated insulation voltage 800 V
- Mounting width 16 mm
- Terminal height 50 mm
- Terminal length 53 mm
- AWG 10-1
- AWG 12-2

| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Single terminals | | | | | | | | |
| - Beige | | | A | **8WA1 205** | | 1 | 20 | 041 |
| - Blue | | | A | **8WA1 011-1BM11** | | 1 | 10 | 041 |
| • Terminal blocks | | | | | | | | |
| - 3-pole, width 48 mm | | | C | **8WA1 305** | | 1 | 20 | 041 |
| **Accessories** | **Section** | **Page** | | | | | | |
| • *Covers* | | | | | | | | |
| - *With lightning symbol, for terminal size 35 mm²* | *Accessories* | 10/11 | C | **8WA1 813** | | 1 | 50 | 041 |
| - *White, facility for inscription, for terminal size 35 mm²* | *Accessories* | 10/11 | C | **8WA1 893** | | 1 | 50 | 041 |
| - *For link rails, transparent, for terminal sizes 16 and 35 mm²* | *Accessories* | 10/11 | D | **8WA1 822-7AX02** | | 1 | 10 | 041 |
| • *Insulation plates, for terminal sizes 16 and 35 mm²* | *Accessories* | 10/12 | C | **8WA1 822-7TK00** | | 1 | 50 | 041 |
| • *Link rails, for terminal size 35 mm²* | | | | | | | | |
| - *For two terminals* | *Accessories* | 10/12 | C | **8WA1 828** | | 1 | 20 | 041 |
| - *For three terminals* | *Accessories* | 10/12 | C | **8WA1 803** | | 1 | 20 | 041 |
| - *For ten terminals* | *Accessories* | 10/12 | A | **8WA1 804** | | 1 | 10 | 041 |
| • *Barriers, for terminal size 35 mm²* | *Accessories* | 10/12 | C | **8WA1 823** | | 1 | 25 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WA1 011-1PM00 | **Through-type PE terminals and through-type PEN terminals, terminal size 35 mm²**<br>• Green-yellow<br>• For $I$ = 125 A<br>• Mounting width 16 mm<br>• Terminal height 50 mm<br>• Terminal length 53 mm<br>• Two screw terminals<br>• | | | A | **8WA1 011-1PM00** | | 1 | 25 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Barriers, for terminal size 35 mm²* | *Accessories* | 10/12 | C | **8WA1 823** | | 1 | 25 | 041 |
| **Terminal size 70 mm²** | | | | | | | | | |
|  8WA1 206 | **Through-type terminals, terminal size 70 mm²**<br>• Rated uninterrupted current 192 A<br>• Rated insulation voltage 800 V<br>• Mounting width 25 mm<br>• Terminal height 64.5 mm<br>• Terminal length 73.5 mm<br>• AWG 8-3/0<br>• AWG 8-1/0 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Beige | | | A | **8WA1 206** | | 1 | 10/60 | 041 |
| | • Blue | | | A | **8WA1 011-1BP11** | | 1 | 10 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, with lightning symbol, for terminal size 70 mm²* | *Accessories* | 10/11 | D | **8WA1 814** | | 1 | 50 | 041 |
| | • *Link rails, for terminal size 70 mm², for 2 terminals* | *Accessories* | 10/12 | C | **8WA1 216** | | 1 | 20 | 041 |
| | • *Barriers, for terminal size 70 mm²* | *Accessories* | 10/12 | C | **8WA1 824** | | 1 | 25 | 041 |
| **Accessories** | | | | | | | | | |
| | **Covers** | | | | | | | | |
| | Versions | | | | | | | | |
|  8WA1 810 | • With lightning symbol | | | | | | | | |
| | - For terminal sizes 1.5 ... 2.5 mm² | | | C | **8WA1 810** | | 1 | 50 | 041 |
| | - For terminal sizes 4 and 6 mm² | | | C | **8WA1 811** | | 1 | 50 | 041 |
| | - For terminal size 16 mm² | | | C | **8WA1 812** | | 1 | 50 | 041 |
| | - For terminal size 35 mm² | | | C | **8WA1 813** | | 1 | 50 | 041 |
| | - For terminal size 70 mm² | | | D | **8WA1 814** | | 1 | 50 | 041 |
|  8WA1 860 | • White, facility for inscription | | | | | | | | |
| | - For terminal sizes 1.5 ... 2.5 mm² | | | D | **8WA1 860** | | 1 | 50 | 041 |
| | - for terminal sizes 4 and 6 mm² | | | D | **8WA1 862** | | 1 | 50 | 041 |
| | - For terminal size 16 mm² | | | C | **8WA1 892** | | 1 | 50 | 041 |
| | - For terminal size 35 mm² | | | C | **8WA1 893** | | 1 | 50 | 041 |
|  8WA1 822-7AX01 | • For link rails, transparent | | | | | | | | |
| | - For terminal size 2.5 ... 6 mm² | | | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | - For terminal size 16 and 35 mm² | | | D | **8WA1 822-7AX02** | | 1 | 10 | 041 |
| | • For link rails, white, facility for inscription, for terminal size 2.5 ... 6 mm² | | | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
|  8WA1 822-7VF01 | **Links**<br>For link rails | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² | | | C | **8WA1 822-7VF01** | | 1 | 50 | 041 |
| | • For terminal size 4 mm² | | | D | **8WA1 822-7VG00** | | 1 | 50 | 041 |
| | • For terminal size 6 mm² | | | D | **8WA1 822-7VH00** | | 1 | 50 | 041 |
|  8WA1 808 | **End retainers, thermoplastic**<br>Width 10 mm | | | A | **8WA1 808** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Screw Terminals

## 8WA through-type terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WA1 741-2X | **Terminal strips**<br>• 6-pole<br>• Labeled 1 to 6 | X | **8WA1 741-2X** | | 1 | 5 | 041 |
|  8WA1 854 | **Test sockets**<br>• Ø 2.3 mm<br>• Up to 10 A<br>• Terminal size 2.5 ... 6 mm² | D | **8WA1 854** | | 1 | 100 | 041 |
|  8WA1 868 | **Test plugs**<br>• For 8WA1 and 8WA2 terminals with 2.3 mm ø hole or 8WA1 854, 8WA1 884 test sockets<br>• Uninterrupted current 10 A | | | | | | |
| | Versions | | | | | | |
| | • Red | D | **8WA1 868** | | 1 | 10 | 041 |
| | • Blue | A | **8WA1 870** | | 1 | 10 | 041 |
|  8WA1 865 | **Jumpers**<br>Up to 32 A | D | **8WA1 865** | | 1 | 50 | 041 |
| | Note | | | | | | |
| | Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1 820 barriers are required. | | | | | | |
|  8WA1 825 | **Insulation plates** | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 6 mm² | C | **8WA1 825** | | 1 | 50 | 041 |
| | • For terminal sizes 16 and 35 mm² | C | **8WA1 822-7TK00** | | 1 | 50 | 041 |
|  8WA1 895 | **Link rails** | | | | | | |
| | Versions | | | | | | |
| | • For terminal size 2.5 mm² | | | | | | |
| | - For two terminals | A | **8WA1 895** | | 1 | 50 | 041 |
| | - For three terminals | A | **8WA1 896** | | 1 | 50 | 041 |
| | - For four terminals | C | **8WA1 897** | | 1 | 20 | 041 |
| | - For ten terminals | C | **8WA1 898** | | 1 | 10/200 | 041 |
| | • For terminal size 4 mm² | | | | | | |
| | - For two terminals | A | **8WA1 850** | | 1 | 50 | 041 |
| | - For three terminals | C | **8WA1 851** | | 1 | 50 | 041 |
| | - For four terminals | C | **8WA1 852** | | 1 | 20 | 041 |
| | - For ten terminals | C | **8WA1 853** | | 1 | 10 | 041 |
| | • For terminal size 6 mm² | | | | | | |
| | - For two terminals | A | **8WA1 885** | | 1 | 50 | 041 |
| | - For three terminals | C | **8WA1 886** | | 1 | 50 | 041 |
| | - For four terminals | C | **8WA1 887** | | 1 | 20 | 041 |
| | - For ten terminals | C | **8WA1 888** | | 1 | 10 | 041 |
| | • For terminal size 16 mm² | | | | | | |
| | - For two terminals | C | **8WA1 842** | | 1 | 20 | 041 |
| | - For three terminals | C | **8WA1 845** | | 1 | 20 | 041 |
| | - For four terminals | D | **8WA1 848** | | 1 | 10 | 041 |
| | - For ten terminals | A | **8WA1 802** | | 1 | 10 | 041 |
| | • For terminal size 35 mm² | | | | | | |
| | - For two terminals | C | **8WA1 828** | | 1 | 20 | 041 |
| | - For three terminals | C | **8WA1 803** | | 1 | 20 | 041 |
| | - For ten terminals | A | **8WA1 804** | | 1 | 10 | 041 |
| | • For terminal size 70 mm² | | | | | | |
| | - For two terminals | C | **8WA1 216** | | 1 | 20 | 041 |
|  8WA1 820 | **Barriers** | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 1.5 ... 4 mm² | A | **8WA1 820** | | 1 | 50 | 041 |
| | • For terminal sizes 6 and 16 mm² | A | **8WA1 821** | | 1 | 50 | 041 |
| | • For terminal size 35 mm² | C | **8WA1 823** | | 1 | 25 | 041 |
| | • For terminal size 70 mm² | C | **8WA1 824** | | 1 | 25 | 041 |



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

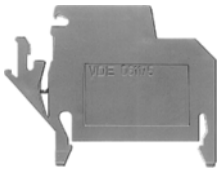
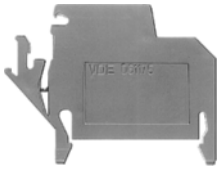
Neutral isolating terminals allow an insulation test to be performed without disconnecting the neutral conductor according to DIN VDE 0108 and DIN VDE 0100 (Standards for the installation of electric power equipment).

The branch terminals are used for the connection of lines (L), for example for power supplies, to the 6 mm x 6 mm busbar.

The rated voltage between two branch terminals (1 slide open) is 289 V.

When they are used as shield terminals according to DIN VDE 0160, they provide isolation between the central reference point (shield connection conductor) and the PE conductor.

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Unit(s) | Unit(s) | |
| | **General details**<br>• With 1 screw terminal as well as connection to the neutral conductor bar or 6 mm × 6 mm busbar according to DIN 1761<br>• Insulating body made of blue or beige thermoplastic<br>• Enclosed at both ends | | | | | | | | |
| | Note | Section | Page | | | | | | |
| | *For labeling accessories see ...* | *Accessories* | 16/13 | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  <br>8WA1 011-1NF01 | **Neutral isolating terminals, terminal size 2.5 mm²**<br>• Blue<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage 500 V<br>• Mounting width 6 mm<br>• Terminal height 35 mm<br>• Terminal length 55 mm<br>• With built-in test socket in the fixed part of the terminal<br>• AWG 22-12<br>• AWG 22-12 | | | A | **8WA1 011-1NF01** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Neutral busbars, 6 × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |
| | **Branch terminals, terminal size 2.5 mm²**<br>• Beige<br>• Isolating distance 400 V<br>• Mounting width 6 mm<br>• Terminal height 35 mm<br>• Terminal length 55 mm<br>• With built-in test socket in the fixed part of the terminal<br>• Isolating distance<br>• AWG 22-12<br>• AWG 22-12 | | | C | **8WA1 011-1NF02** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Neutral busbars, 6 mm × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |
| **Terminal size 4 mm²** | | | | | | | | | |
|  <br>8WA1 011-1NG31 | **Neutral isolating terminals, terminal size 4 mm²**<br>• Blue<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 500 V<br>• Mounting width 6.5 mm<br>• Terminal height 35 mm<br>• Terminal length 55 mm<br>• With built-in test socket in the fixed part of the terminal<br>• AWG 18-10<br>• AWG 18-10 | | | A | **8WA1 011-1NG31** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Feeder terminals, for neutral busbars* | *Accessories* | 10/14 | C | **8WA2 867** | | 1 | 50 | 041 |
| | • *Neutral busbars, 6 mm × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |

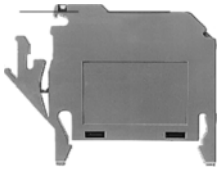
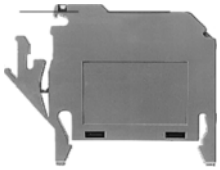
10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA neutral isolating and branch terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WA1 011-1NH01 | **Neutral isolating terminals, terminal size 6 mm²**<br>• Blue<br>• Rated uninterrupted current 41 A<br>• Rated insulation voltage 500 V<br>• Mounting width 8 mm<br>• Terminal height 35 mm<br>• Terminal length 55 mm<br>• With built-in test socket in the fixed part of the terminal<br>• AWG 14-8<br>• AWG 14-8 | | | A | **8WA1 011-1NH01** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Neutral busbars, 6 mm × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |
| **Terminal size 16 mm²** | | | | | | | | | |
|  8WA1 604 | **Neutral isolating terminals, terminal size 16 mm²**<br>• Blue<br>• Rated uninterrupted current 76 A<br>• Rated insulation voltage 500 V<br>• Mounting width 10 mm<br>• Terminal height 35 mm<br>• Terminal length 55 mm<br>• AWG 12-4 | | | C | **8WA1 604** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Feeder terminals, for neutral busbars* | *Accessories* | 10/14 | C | **8WA2 868** | | 1 | 50 | 041 |
| | • *Neutral busbars, 6 mm × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |
| | **Branch terminals, terminal size 16 mm²**<br>• Beige<br>• Isolating distance 400 V<br>• Mounting width 10 mm<br>• Isolating distance<br>• AWG 12-4 | | | C | **8WA1 011-1NK02** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | *Accessories* | 10/14 | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
| | • *Neutral busbars, 6 mm × 6 mm* | *Accessories* | 10/14 | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | • *Label holders* | *Accessories* | 10/14 | B | **3TX4 210-0J** | | 100 | 100 | 101 |
| **Accessories** | | | | | | | | | |
|  8WA1 822-7AX00 | **Covers, for link rails**<br>• Not for 8WA1 604 and 8WA1 011-1NK02<br>• Length 155 mm | | | D | **8WA1 822-7AX00** | | 1 | 10 | 041 |
|  8WA2 870 / 868 / 867 | **Feeder terminals, for neutral busbars**<br>• 6 × 6 mm and 10 × 3 mm<br>• Bare | | | | | | | | |
| | Versions | | | | | | | | |
| | • Rated uninterrupted current 32 A, for connection of up to 4 $mm^2$ | | | C | **8WA2 867** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 76 A, for connection of up to 25 $mm^2$ | | | C | **8WA2 868** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 125 A, for connection of up to 35 $mm^2$ | | | C | **8WA2 870** | | 1 | 50 | 041 |
|  8GF9 324-2 | **Neutral busbars, 6 mm × 6 mm**<br>• Rated uninterrupted current 125 A<br>• 1109 mm long<br>• For four-field | | | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | Note | | | | | | | | |
| | Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net is added. | | | | | | | | |
| | **Label holders** | | | B | **3TX4 210-0J** | | 100 | 100 | 101 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

The Insta or three-tier terminals incorporate up to 3 different terminal functions in one insulating body of 6 mm width. The width of 3 Insta terminals corresponds to the hole pitch of 18 mm standardized in distribution board assembly. Tools are required to remove the terminals from the support rail.

All clamping points for incoming and outgoing cables have a notch for an 8WA8 8.. labeling plate. The protective conductor connections are already marked green-yellow and the neutral conductor connections blue.

The neutral busbar has the same position for Insta terminals and neutral isolating terminals. This allows, for example, the use of a 16 mm² neutral isolating terminal as an infeed for the neutral busbar.

8WA1 011-3JF16, -3JF17 and -3JF18 allow the neutral busbar to be routed with a mounting depth of 42.5 mm.

### *PE, L, NT Insta terminal*

The 8WA1 011-3JF20 terminal is the basic version for AC circuits. It comprises:

- Protective conductor connection
- Through-type connection for one phase conductor
- Neutral conductor connection that can be isolated from the 6 mm × 6 mm neutral busbar.

### *PE/ground, L, N Insta terminals*

If no neutral isolation is required, the 8WA1 011-3JF17 terminal is used:

- Protective conductor connection
- Through-type connection for one phase conductor
- Through-type connection for the neutral conductor

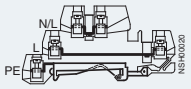
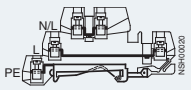
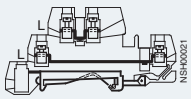
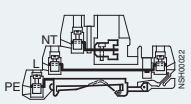
### *PE, L, L Insta terminal*

Design of 8WA1 011-3JF16 terminal as previous version. Instead of the through-type connection for the neutral conductor, a through-type connection for a second phase conductor is fitted.

### *L, L Insta terminal*

8AW1 011-3JF18 terminal contains two through-type connections for two phase conductors. These are generally used for three-phase outgoing lines.

## Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **General details**<br>• Thermoplastic insulating body<br>• Screw terminals at both ends<br>• Enclosed at both ends<br>• Neutral terminal, 6 mm x 6 mm neutral conductor connection | | | | | | |
| Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | |
|  <br>8WA1 011-3JF16<br>**Insta terminals, terminal size 2.5 mm²**<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage<br>- 400 V between phase conductors<br>- 250 V between phase and protective conductors and for neutral isolating distance<br>• Mounting width 6 mm<br>• Terminal height 42.5 mm<br>• Terminal length 87 mm<br>• Screw terminal with double conductor run<br>• AWG 22-12 | | | | | | |
| Circuit diagram:  — Type: PE, L, L | A | **8WA1 011-3JF16** | | 1 | 50 | 041 |
| Circuit diagram:  — Type: PE, L, N | A | **8WA1 011-3JF17** | | 1 | 50 | 041 |
| Circuit diagram:  — Type: L, L | A | **8WA1 011-3JF18** | | 1 | 50 | 041 |
| Circuit diagram:  — Type: PE, L, NT | A | **8WA1 011-3JF20** | | 1 | 50 | 041 |
| Accessories: *Barriers, for Insta terminals, terminal size 2.5 mm and measuring transformer terminals, terminal size 6* — Section: *Accessories* — Page: 10/16 | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA Insta or three-tier terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
| | **Covers**<br>Up to three terminals side-by-side | | | | | | |
| | Versions | | | | | | |
| | • With lightning symbol, for terminal size 4 and 6 mm² | C | **8WA1 811** | | 1 | 50 | 041 |
| | • White, facility for inscription, for terminal size 4 and 6 mm² | D | **8WA1 862** | | 1 | 50 | 041 |
| | • For link rails, for terminal size 2.5 ... 6 mm² | | | | | | |
| | - Transparent | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | - White | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
|  8WA2 870 / 868 / 867 | **Feeder terminals, for neutral busbars**<br>• 6 mm × 6 mm and 10 mm × 3 mm<br>• Bare | | | | | | |
| | Versions | | | | | | |
| | • Connection up to 4 mm² | C | **8WA2 867** | | 1 | 50 | 041 |
| | • Connection up to 25 mm² | C | **8WA2 868** | | 1 | 50 | 041 |
| | • Connection up to 35 mm² | C | **8WA2 870** | | 1 | 50 | 041 |
|  8WA1 808 | **End retainers, thermoplastic**<br>Width 10 mm | A | **8WA1 808** | | 1 | 50 | 041 |
| | **Device labels**<br>For end retainer, blank labeling plate | B | **3TX4 210-0H** | | 100 | 100 | 101 |
|  8WA1 857 | **Insulation carriers, for mounting insulated support rails** | D | **8WA1 857** | | 1 | 20 | 041 |
| | **Blank labeling plates**<br>For terminal marking | A | **8WA8 848-2AY** | | 100 | 100 | 041 |
|  8GF9 324-2 | **Neutral busbars, 6 mm × 6 mm**<br>• Rated uninterrupted current 125 A<br>• 1109 mm long<br>• For four-field | A | **8GF9 324-2** | | 1 | 10 | 042 |
| | Note | | | | | | |
| | Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net is added. | | | | | | |
| | **Link rails, for Insta terminals** | | | | | | |
| | Versions | | | | | | |
| | • For two terminals | C | **8WA1 822-7VF02** | | 1 | 50 | 041 |
| | • For three terminals | D | **8WA1 822-7VF03** | | 1 | 50 | 041 |
| | • For four terminals | D | **8WA1 822-7VF04** | | 1 | 20 | 041 |
| | • For ten terminals | D | **8WA1 822-7VF10** | | 1 | 10 | 041 |
| | **Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²** | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

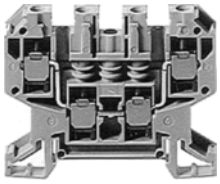
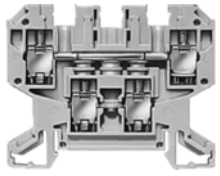
Two-tier terminals are a compact form of the terminal blocks. They are therefore open on one side. They can contain two connecting cables with two connections each or they can be laid out as terminal blocks with four connections on the same potential.

An advantage is the standardized front for mounting, linking and labeling.

## Technical specifications

| | Rated voltage | |
|---|---|---|
| | **AC** | **DC** |
| Between link rails | | |
| • With insulation plate | 400 V | 450 V |
| • With end plate or barrier | 800 V | 900 V |
| • With jumper opened | 500 V | 600 V |
| For alternately bent soldering tags | 400 V | 450 V |
| For adjacent terminals with soldering tags and insulated plugs | 250 V | 300 V |

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Screw terminals at both ends | | | | | | | | |
| | Note | Section | Page | | | | | | |
| | *For labeling accessories see ...* | *Accessories* | 16/13 | | | | | | |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WA1 011-6DG11 | **Two-tier terminals, terminal size 4 mm²**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 690 V (with end plate 800 V)<br>• Mounting width 6.5 mm<br>• Terminal height 45 mm<br>• Terminal length 64 mm<br>• AWG 18-10<br>• AWG 18-10 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Beige | | | | | | | | |
| | - 1-pole | | | A | **8WA1 011-6DG11** | | 1 | 50 | 041 |
| | - 2-pole, with two isolated connections | | | A | **8WA1 011-2DG11** | | 1 | 50 | 041 |
| | • Blue | | | | | | | | |
| | - 1-pole | | | C | **8WA1 011-6BG11** | | 1 | 50 | 041 |
| | - 2-pole, with two isolated connections | | | C | **8WA1 011-2BG11** | | 1 | 50 | 041 |
|  8WA1 011-2DG11 | Accessories | Section | Page | | | | | | |
| | • *Covers* | | | | | | | | |
| | - *With lightning symbol, for terminal sizes 4 and 6 mm²* | *Accessories* | 10/18 | C | **8WA1 811** | | 1 | 50 | 041 |
| | - *White, facility for inscription, for terminal sizes 4 and 6 mm²* | *Accessories* | 10/18 | D | **8WA1 862** | | 1 | 50 | 041 |
| | - *For link rails, for terminal size 2.5 ... 6 mm², transparent* | *Accessories* | 10/18 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | • *Links* | | | | | | | | |
| | - *For upper tier of 2-pole terminals* | *Accessories* | 10/18 | D | **8WA1 822-7VG00** | | 1 | 50 | 041 |
| | - *For lower tier of 1- and 2-pole terminals* | *Accessories* | 10/18 | D | **8WA1 822-7VG01** | | 1 | 50 | 041 |
| | • *Spacer sleeves* | *Accessories* | 10/18 | X | **8WA1 822-7VH11** | | 1 | 100 | 041 |
| | • *End plates* | *Accessories* | 10/18 | A | **8WA1 817** | | 1 | 50 | 041 |
| | • *Test sockets* | | | | | | | | |
| | - *For upper tier of 2-pole terminals* | *Accessories* | 10/18 | D | **8WA1 854** | | 1 | 100 | 041 |
| | - *For lower tier of 1- and 2-pole terminals* | *Accessories* | 10/18 | D | **8WA1 884** | | 1 | 100 | 041 |
| | • *Jumpers* | *Accessories* | 10/18 | D | **8WA1 865** | | 1 | 50 | 041 |
| | • *Insulation plates* | | | | | | | | |
| | - *For upper tier of 2-pole terminals* | *Accessories* | 10/18 | C | **8WA1 825** | | 1 | 50 | 041 |
| | - *For lower tier of 1- and 2-pole terminals* | *Accessories* | 10/18 | C | **8WA1 825** | | 1 | 50 | 041 |
| | • *Link rails* | | | | | | | | |
| | - *For upper tier of 2-pole terminals* | | | | | | | | |
| | ◦ *For two terminals* | *Accessories* | 10/18 | A | **8WA1 850** | | 1 | 50 | 041 |
| | ◦ *For three terminals* | *Accessories* | 10/18 | C | **8WA1 851** | | 1 | 50 | 041 |
| | ◦ *For four terminals* | *Accessories* | 10/18 | C | **8WA1 852** | | 1 | 20 | 041 |
| | ◦ *For ten terminals* | *Accessories* | 10/18 | C | **8WA1 853** | | 1 | 10 | 041 |
| | - *For lower tier of 1- and 2-pole terminals* | | | | | | | | |
| | ◦ *For two terminals* | *Accessories* | 10/18 | D | **8WA1 835** | | 1 | 50 | 041 |
| | ◦ *For ten terminals* | *Accessories* | 10/18 | C | **8WA1 838** | | 1 | 10 | 041 |
| | • *Barriers* | *Accessories* | 10/18 | C | **8WA1 823** | | 1 | 25 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA two-tier terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
| | **Covers** | | | | | | |
| | Versions | | | | | | |
|  8WA1 811 | • With lightning symbol, for terminal size 4 and 6 mm² | C | **8WA1 811** | | 1 | 50 | 041 |
|  8WA1 862 | • White, facility for inscription, for terminal size 4 and 6 mm² | D | **8WA1 862** | | 1 | 50 | 041 |
|  8WA1 822-7AX01 | • For link rails, for terminal size 2.5 ... 6 mm², transparent | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | **Links**<br>• For link rails<br>• For terminal size 4 mm² | | | | | | |
| | Versions | | | | | | |
| | • For upper tier of 2-pole terminals | D | **8WA1 822-7VG00** | | 1 | 50 | 041 |
| | • For lower tier of 1- and 2-pole terminals | D | **8WA1 822-7VG01** | | 1 | 50 | 041 |
| | **End plates, for two-tier terminals** | A | **8WA1 817** | | 1 | 50 | 041 |
|  8WA1 854 | **Test sockets**<br>Ø 2.3 mm | | | | | | |
| | Versions | | | | | | |
| | • For upper tier of 2-pole terminals | D | **8WA1 854** | | 1 | 100 | 041 |
| | • For lower tier of 1- and 2-pole terminals | D | **8WA1 884** | | 1 | 100 | 041 |
| | Accessories | | | | | | |
| | Spacer sleeves<br>• For lower tier of 1- and 2-pole terminals<br>• Suitable for 2.3 mm test socket | X | **8WA1 822-7VH11** | | 1 | 100 | 041 |
|  8WA1 865 | **Jumpers**<br>For upper tier of 2-pole terminals | D | **8WA1 865** | | 1 | 50 | 041 |
| | Note | | | | | | |
| | The terminals must be fitted with end plates and must be fitted with the end plates facing each other. | | | | | | |
|  8WA1 825 | **Insulation plates, for terminal size 2.5 ... 6 mm²** | C | **8WA1 825** | | 1 | 50 | 041 |
| | **Link rails** | | | | | | |
| | Versions | | | | | | |
| | • For upper tier of 2-pole terminals | | | | | | |
| | - For two terminals | A | **8WA1 850** | | 1 | 50 | 041 |
| | - For three terminals | C | **8WA1 851** | | 1 | 50 | 041 |
| | - For four terminals | C | **8WA1 852** | | 1 | 20 | 041 |
| | - For ten terminals | C | **8WA1 853** | | 1 | 10 | 041 |
| | • For lower tier of 1- and 2-pole terminals | | | | | | |
| | - For two terminals | D | **8WA1 835** | | 1 | 50 | 041 |
| | - For ten terminals | C | **8WA1 838** | | 1 | 10 | 041 |
| | **Barriers** | C | **8WA1 823** | | 1 | 25 | 041 |

10

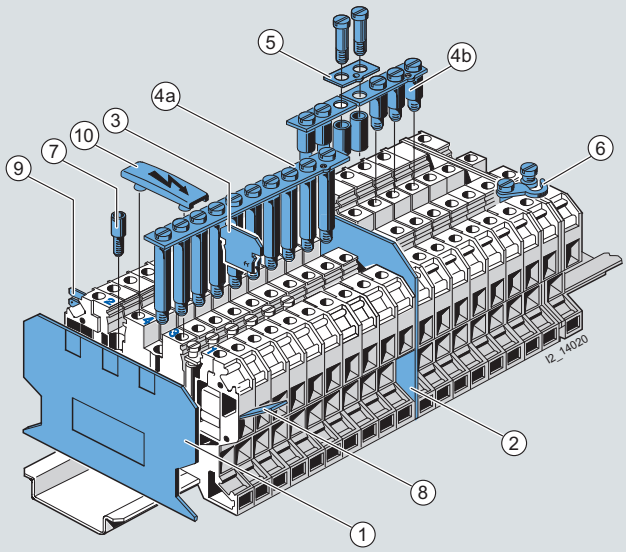


* You can order this quantity or a multiple thereof.

© Siemens AG 2010

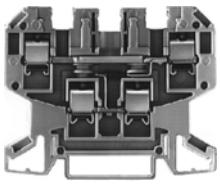
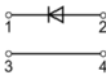
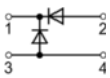
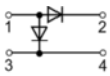


## Design




1 End plate
2 Barrier
3 Insulation plate
4a Link rail for lower tier
4b Link rail for upper tier
5 Link for link rail
6 Jumper
7 Test socket
8 Soldering tag
9 Flat connector, slotted
10 Cover with lightning symbol

## Selection and ordering data

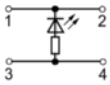
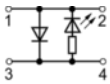
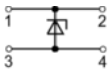
| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Screw terminals at both ends<br>• Open on one side<br>• Beige | | | | | | |
| | Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| | **Terminal size 4 mm²** | | | | | | |
|  8WA1 011-6EG20 | **Diode terminals, terminal size 4 mm²**<br>• Rated insulation voltage 250 V<br>• Mounting width 6.5 mm<br>• Terminal height 45 mm<br>• Terminal length 64 mm<br>• AWG 18-10<br>• Jumpering not supported | | | | | | |
| | Type | | | | | | |
| | • Rated uninterrupted current 32/1 A | C | **8WA1 011-6EG20** | | 1 | 10 | 041 |
|  | • Rated uninterrupted current 32/1 A | C | **8WA1 011-6EG21** | | 1 | 10 | 041 |
| | • Rated uninterrupted current 1 A | C | **8WA1 011-6EG22** | | 1 | 10 | 041 |
|  | • Rated uninterrupted current 32/1 A | C | **8WA1 011-6EG23** | | 1 | 10 | 041 |
|  | • Rated uninterrupted current 32/1 A | C | **8WA1 011-6EG24** | | 1 | 10 | 041 |
| | Accessories — Section — Page | | | | | | |
| | *End plates, for two-tier terminals* — *Accessories* — 10/20 | A | **8WA1 817** | | 1 | 50 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA two-tier terminals with electronic components

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Terminals with red LED, terminal size 4 mm²**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 24 V<br>• Mounting width 6.5 mm<br>• Terminal height 45 mm<br>• Terminal length 64 mm<br>• AWG 18-10 | | | | | | | | |
| | Type | | | | | | | | |
|  | • Without diode for current limitation | | | D | **8WA1 011-6EG25** | | 1 | 10 | 041 |
|  | • With diode for current limitation | | | D | **8WA1 011-6EG26** | | 1 | 10 | 041 |
| | Accessories | Section | Page | | | | | | |
| | End plates, for two-tier terminals | *Accessories* | 10/20 | A | **8WA1 817** | | 1 | 50 | 041 |
|  | **Zener diode terminals, terminal size 4 mm²**<br>• Mounting width 6.5 mm<br>• Terminal height 45 mm<br>• Terminal length 64 mm<br>• AWG 18-10<br>• Let-through current 0.25 A<br>• Breakdown voltage $U_Z$ = 2.4 V, ±5 % | | | D | **8WA1 011-6EG44** | | 1 | 10 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *End plates, for two-tier terminals* | *Accessories* | 10/20 | A | **8WA1 817** | | 1 | 50 | 041 |
| **Accessories** | | | | | | | | | |
| | **End plates, for two-tier terminals** | | | A | **8WA1 817** | | 1 | 50 | 041 |

10

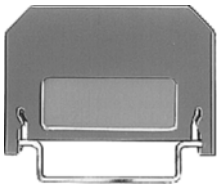
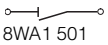


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Enclosed at both ends<br>Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | | |
|  <br>8WA1 011-1EF20<br>  <br>8WA1 011-1EF20 | **Diode terminals, terminal size 2.5 mm²**<br>• Rated insulation voltage 250 V $U_{RRM}$<br>• Mounting width 6 mm<br>• Terminal height 26 mm<br>• Terminal length 41 mm<br>• Screw terminals on both sides with test possibility for Ø 2.3 mm test plug<br>• Rated uninterrupted current 1 A<br>• Peak blocking voltage 1000 V | C | **8WA1 011-1EF20** | | 1 | 5 | 041 |
| | Accessories — Section — Page | | | | | | |
| | • *Test plugs* — *Accessories* — 10/21 | D | **8WA1 868** | | 1 | 10 | 041 |
| | • *Barriers, for terminal size 1.5 ... 4 mm²* — *Accessories* — 10/21 | A | **8WA1 820** | | 1 | 50 | 041 |
|  <br>8WA1 501<br>  <br>8WA1 501 | **Through-type terminals, terminal size 2.5 mm², with sectionalizing feature**<br>• Rated uninterrupted current 10 A<br>• Rated insulation voltage 380 V AC, 450 V DC (with alternate outgoing soldering tags)<br>- Open isolating distance 380 V AC, 450 V DC<br>- For use of barriers up to 750 V AC, 900 V DC<br>• Mounting width 6 mm<br>• Terminal height 29 mm<br>• Terminal length 41 mm<br>• With 2 holes for Ø 2.3 mm test plug<br>• With screw terminals on both sides | C | **8WA1 501** | | 1 | 10 | 041 |
| | Note: Through-type terminals with sectionalizing feature allow easy isolation of the current path without disconnection of conductors. The sockets of the terminal screws allow actions, such as the measuring of the loop resistance or connection of an ammeter to the circuit. The use of connection combs reduces the conductor cross-section by one level. | | | | | | |
| | Accessories — Section — Page | | | | | | |
| | • *Test plugs, red* — *Accessories* — 10/21 | D | **8WA1 868** | | 1 | 10 | 041 |
| | • *Barriers, for terminal size 1.5 ... 4 mm²* — *Accessories* — 10/21 | A | **8WA1 820** | | 1 | 50 | 041 |
| **Accessories** | | | | | | | |
|  <br>8WA1 868 | **Test plugs**<br>Red | D | **8WA1 868** | | 1 | 10 | 041 |
|  <br>8WA1 820 | **Barriers, for terminal size 1.5 ... 4 mm²** | A | **8WA1 820** | | 1 | 50 | 041 |

10

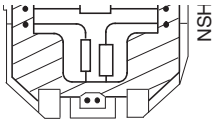
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

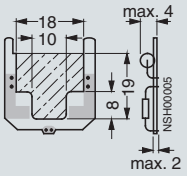


## 8WA terminals for components

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Terminals for components<br>• Screw terminal on both sides for 2 conductors each<br>• Plugs with PCB for components<br>• Enclosed at both ends<br>Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| **Terminal size 1.5 mm²** | | | | | | | |
|  <br>8WA1 011-1EE00 | **Terminals for components, terminal size 1.5 mm²** (enclosure only)<br>• Rated uninterrupted current 6.3 A<br>• Rated insulation voltage 500 V<br>• Mounting width 10 mm<br>• Terminal height 40 mm<br>• Terminal length 57 mm<br>• For self-fitting with components<br>• To next terminal, determined internally through customer's components | C | **8WA1 011-1EE00** | | 1 | 5/50 | 041 |
|  <br>8WA1 822-7EE00<br>  <br>Plug, completely equipped, example | **Plugs for components, terminal size 1.5 mm²**<br>• Rated uninterrupted current 6.3 A<br>• Rated insulation voltage 500 V<br>• Mounting width 10 mm<br>• Plug height 29 mm<br>• Plug length 41 mm<br>• With PCB and labeling plate (20 mm × 9 mm) | C | **8WA1 822-7EE00** | | 1 | 1 | 041 |

### Dimensional drawings




Space for components



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

8WA1 011-1SF12 fuse terminals are used to protect control circuits against short-circuits.

The fuse terminals are intended for G fuse links 5 mm × 20 mm and 5 mm × 25 mm up to 6.3 A and 250 V and for bridging links up to 16 A and 800 V and have a mounting for a replacement fuse link.

The fuse terminals are suitable for fuse links, sizes ¼" × 1", ¼" × 11/4" (6.3 mm × 32 mm) to 6.3 A and 250 V.

Fuse terminals are positive opening fuse-disconnectors.

The fuse links must be replaced at zero voltage. Finger safety is ensured in both closed and open positions.

The LED indicates the status of the disconnected fuse (residual current from 2 to 5 mA), but not if the plug is removed (floating).

The double connection is designed so that two conductors with different cross-sections can also be securely connected.

The fixing base of the G fuse terminal allows both centered and recessed mounting, allowing the unhindered routing of a 6 mm × 6 mm neutral busbar. The G fuse terminal can therefore be joined into a single group with the other terminals of a branch.

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• With thermoplastic insulating body<br>• Screw terminal on both sides for 2 conductors each<br>• Enclosed at both ends | | | | | | |
| | Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| **Terminal size 1.5 mm²** | | | | | | | |
|  8WA1 011-1SF12 | **Fuse terminals, terminal size 1.5 mm²**<br>• Rated uninterrupted current 6.3 A when using fuses<br>• Rated uninterrupted current 16 A when using the bridging link<br>• Rated insulation voltage 250 V when using fuses<br>• Rated insulation voltage 800 V when using the bridging link<br>• Mounting width 10 mm<br>• Terminal height 42 mm<br>• Terminal length 57 mm<br>• Open isolating distance 500 V<br>• AWG 18-14<br>• AWG 18-14 | | | | | | |
|  8WA1 011-1SF13 | Versions | | | | | | |
| | • For G-fuse | | | | | | |
| | - Without LED | A | **8WA1 011-1SF12** | | 1 | 10 | 041 |
| | - With LED 24 V AC/DC | D | **8WA1 011-1SF13** | | 1 | 10 | 041 |
| | - With LED 48 V AC/DC | D | **8WA1 011-1SF14** | | 1 | 10 | 041 |
| | - With LED 230 V AC/DC | D | **8WA1 011-1SF15** | | 1 | 10 | 041 |
| | • For inch fuse | | | | | | |
| | - Without LED | D | **8WA1 011-1SF30** | | 1 | 10 | 041 |
| | - With LED 24 V AC/DC | D | **8WA1 011-1SF31** | | 1 | 10 | 041 |
| | - With LED, 120 V AC/110 V DC | D | **8WA1 011-1SF32** | | 1 | 10 | 041 |
| **Accessories** | | | | | | | |
|  8WA1 822-7EF16 | **G fuse links**<br>DIN 41660 | | | | | | |
| | Versions | | | | | | |
| | • Quick, high breaking capacity | | | | | | |
| | - Rated uninterrupted current 1 A | D | **8WA1 822-7EF16** | | 1 | 10/200 | 041 |
| | - Rated uninterrupted current 1.6 A | D | **8WA1 822-7EF18** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 2.5 A | D | **8WA1 822-7EF21** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 4 A | D | **8WA1 822-7EF23** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 6.3 A | D | **8WA1 822-7EF25** | | 1 | 10 | 041 |
| | • Slow, low breaking capacity | | | | | | |
| | - Rated uninterrupted current 1 A | D | **8WA1 822-7EF76** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 1.6 A | D | **8WA1 822-7EF78** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 2.5 A | D | **8WA1 822-7EF81** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 4 A | D | **8WA1 822-7EF83** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 6.3 A | D | **8WA1 822-7EF85** | | 1 | 10 | 041 |
|  8WA1 891 | **Bridging links**<br>5 mm × 25 mm | D | **8WA1 891** | | 1 | 10 | 041 |
|  8WA1 822-7VD05 | **Link rails**<br>• Single-pole<br>• For 8WA1 011-1SF12 fuse terminal<br>• *l* = 104 mm, 10 connections | A | **8WA1 822-7VD05** | | 1 | 20 | 019 |

* You can order this quantity or a multiple thereof.

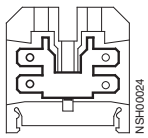
© Siemens AG 2010



# Screw Terminals

## 8WA through-type terminals with soldered and plug-in connection

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• With thermoplastic insulating body<br>• Enclosed at both ends | | | | | | |
| | Note: *For labeling accessories see ...* — Section: *Accessories* — Page: 16/13 | | | | | | |
| **Terminal size 1.5 mm²** | | | | | | | |
|  8WA1 221 | **Through-type terminals, terminal size 1.5 mm²**<br>• Beige<br>• Rated uninterrupted current 18 A<br>• Rated insulation voltage 380 V AC, 450 V DC with alternately arranged terminals; when using barriers up to 800 V<br>• Mounting width 5.5 mm<br>• Terminal height 26 mm<br>• Terminal length 41 mm<br>• Soldered connection on both sides | C | **8WA1 221** | | 1 | 50 | 041 |
| | Accessories — Section — Page | | | | | | |
| | • *Covers* | | | | | | |
| | - *With lightning symbol* — *Accessories* — 10/24 | C | **8WA1 810** | | 1 | 50 | 041 |
| | - *White, facility for inscription* — *Accessories* — 10/24 | D | **8WA1 860** | | 1 | 50 | 041 |
| | • *Barriers, for terminal size 1.5 ... 4 mm²* — *Accessories* — 10/24 | A | **8WA1 820** | | 1 | 50 | 041 |
| **Terminal size 6 mm²** | | | | | | | |
|  8WA1 232 | **Through-type terminals, terminal size 6 mm², with plug-in connection**<br>• Beige<br>• Rated uninterrupted current 16 A per clamping point<br>• Rated insulation voltage 400 V, when using barriers up to 1000 V<br>• Mounting width 8 mm<br>• Flat terminal on both sides<br>• Four flat-type connections 6.3 ... 0.8 mm | C | **8WA1 232** | | 1 | 50 | 041 |
| | Accessories — Section — Page | | | | | | |
| | • *Covers* | | | | | | |
| | - *With lightning symbol* — *Accessories* — 10/24 | C | **8WA1 811** | | 1 | 50 | 041 |
| | - *White, facility for inscription* — *Accessories* — 10/24 | D | **8WA1 862** | | 1 | 50 | 041 |
| | • *Link rails* | | | | | | |
| | - *For two terminals* — *Accessories* — 10/24 | D | **8WA1 822-7VH12** | | 1 | 50 | 041 |
| | - *For ten terminals* — *Accessories* — 10/24 | D | **8WA1 822-7VH20** | | 1 | 10 | 041 |
| | • *Barriers, for terminal size 6 ... 16 mm²* — *Accessories* — 10/24 | A | **8WA1 821** | | 1 | 50 | 041 |
|  8WA1 232 | | | | | | | |
| **Accessories** | | | | | | | |
|  8WA1 811 | **Covers** | | | | | | |
| | Versions | | | | | | |
| | • With lightning symbol | | | | | | |
| | - For terminal sizes 1 ... 2.5 mm² | C | **8WA1 810** | | 1 | 50 | 041 |
| | - For terminal size 6 mm² | C | **8WA1 811** | | 1 | 50 | 041 |
| | • White, facility for inscription | | | | | | |
| | - For terminal sizes 1 ... 2.5 mm² | D | **8WA1 860** | | 1 | 50 | 041 |
| | - For terminal size 6 mm² | D | **8WA1 862** | | 1 | 50 | 041 |
|  8WA1 822-7VH12 | **Link rails, for *through-type terminals, terminal size 6 mm², with plug-in connection***<br>Versions | | | | | | |
| | • For two terminals | D | **8WA1 822-7VH12** | | 1 | 50 | 041 |
| | • For ten terminals | D | **8WA1 822-7VH20** | | 1 | 10 | 041 |
|  8WA1 821 | **Barriers**<br>Versions | | | | | | |
| | • For terminal sizes 1.5 ... 4 mm² | A | **8WA1 820** | | 1 | 50 | 041 |
| | • For terminal sizes 6 ... 16 mm² | A | **8WA1 821** | | 1 | 50 | 041 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

Measuring transformer terminals can be used for testing and isolating circuits in switchgear installations, control rooms, etc. without interrupting operation.

The isolating and instrument isolating terminals contain an isolating device in the through-type connection. The isolating device permits electrical separation between the input and output of a terminal.

Test sockets for plugs with a diameter of 4 mm can be screwed into the front side of the through-type and isolating terminals. The rated insulation voltage between colored test sockets is 125 V. The rated insulation voltage between test sockets and link rails not connected to the terminal is 16 V (circuit 3, terminals 3 and 5).

Two adjacent terminals can be connected in parallel with the disconnecting link. The disconnecting link can be operated in any position of the isolating device.

### *Instrument set for one transformer*

The instrument set for one transformer makes the basic circuit of the transformer terminal blocks clear. This basic circuit is also included in much larger instrument sets, which are extended by adding on equivalent circuits. Links between the basic circuits allow many kinds of tests to be carried out, parallel outgoing lines to other measuring instruments, the connection of test equipment etc.

### *Instrument set for three transformers*

The simplest version of an instrument set for a three-phase circuit consists of three basic circuits strung together without any continuing links or extensions. Instead of isolating terminals 1, 3 and 5, less expensive through-type terminals can also be used. On the other hand, it is also possible to use instrument isolating terminals for this purpose so that the terminal versions are all the same.

### *Instrument set for three transformers with neutral point*

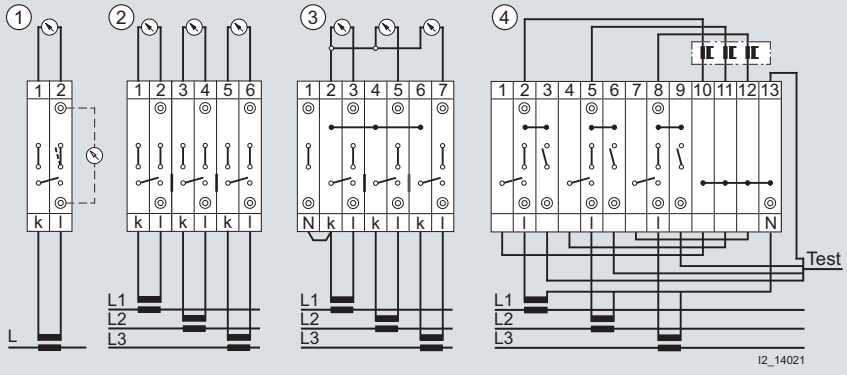
The instrument set with a neutral point is an extension of the previous circuit. Four instead of six lines are sufficient for connecting it to the measuring instruments. The neutral point is produced on the measuring instruments on the one hand, and using a shortened 8WA1 822-7VH10 link rail on the other. The instrument isolating terminal 1 is connected to the neutral point using a connection comb.

### *Note*

The introduction of the 8WA1 011-1MH10 through-type terminals and their associated disconnecting links has made it considerably easier to configure terminal sets for current transformers. Now, instead of the 12 isolating or instrument isolating terminals used previously, only four instrument isolating terminals and three through-type terminals are required.

### *Instrument set with test facility*

This instrument set represents a significant enhancement over previous types. In normal operation, terminals 2, 5 and 8 are closed. For testing a measuring instrument (e.g. a plotter), these terminals are opened and terminals 3, 6 and 9 are closed in order to feed in a test signal. The transformers first have to be short-circuited with the disconnecting links between terminals 1-2, 4-5 and 7-8. Wire bridges connect terminals 1, 4 and 7 with the neutral point. It is formed in terminals 10, 11, 12 and 13 with an 8WA1 887 link rail.




Test socket
Link rail
Small partition
Disconnecting link (closed)
Connecting comb, 2-pole

1 Instrument set for 1 transformer
2 Instrument set for 3 transformers
3 Instrument set for 3 transformers with neutral point
4 Instrument set with testing facility

| Type | Number required for | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| **8WA1 011-1MH10** | | | 3 | 7 |
| **8WA1 011-1MH11** | 1 | 3 | | 3 |
| **8WA1 011-1MH15** | 1 | 3 | 4 | 3 |
| **8WA1 825** a) | | 2 | 2 | |
| **8WA1 885** | | | | 3 |
| **8WA1 887** | | | | 1 |
| **8WA1 822-7VH10** | | | 1 b) | |
| **8WA1 822-7VH01** | 1 | 3 | 3 | 3 |
| **8WA1 822-7PH00** | | | | 4 |
| **8WA1 822-7VH22** | | | 1 | |

a) In some cases additionally required between instrument sets

b) Shortened

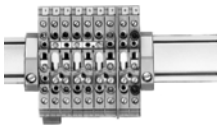
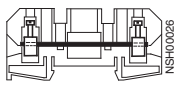
Connection option for measuring transformer terminals (instrument sets)

© Siemens AG 2010



## 8WA measuring transformer terminals

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **General details**<br>• With thermoplastic insulating body<br>• Screw terminal on both sides and two holes for test sockets for Ø 4 mm test plug, insulated on both sides<br>• Enclosed at both ends | | | | | | | | |
| | Note | Section | Page | | | | | | |
| | *For labeling accessories see ...* | *Accessories* | 16/13 | | | | | | |
| **Terminal size 6 mm²** | | | | | | | | | |
|  <br>8WA1 011-1MH10 | **Through-type terminals, terminal size 6 mm²**<br>• Rated uninterrupted current 41 A<br>• Rated insulation voltage 500 V<br>• Mounting width 8 mm<br>• Terminal height 33 mm<br>• Terminal length 83 mm<br>• Without test sockets<br>• AWG 14-8<br>• AWG 16-10 | | | C | **8WA1 011-1MH10** | | 1 | 20 | 041 |
|  <br>Example of circuits | Accessories | Section | Page | | | | | | |
|  <br>8WA1 011-1MH10 | • *Covers, for link rails* | | | | | | | | |
| | - *Transparent* | *Accessories* | 10/28 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | - *White, facility for inscription* | *Accessories* | 10/28 | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
| | • *Test sockets* | | | | | | | | |
| | - *Rated voltage between test socket and bypassed link rail: 16 V, recessed* | *Accessories* | 10/28 | D | **8WA1 822-7PH00** | | 1 | 50 | 041 |
| | - *Rated voltage between two test sockets: 125 V* | | | | | | | | |
| | ◦ *Green* | *Accessories* | 10/28 | D | **8WA1 822-7PH03** | | 1 | 50 | 041 |
| | ◦ *Black* | *Accessories* | 10/28 | D | **8WA1 822-7PH06** | | 1 | 50 | 041 |
| | ◦ *Red* | *Accessories* | 10/28 | D | **8WA1 822-7PH08** | | 1 | 50 | 041 |
| | • *Test plugs* | *Accessories* | 10/28 | D | **8WA1 868** | | 1 | 10 | 041 |
| | • *Jumpers* | *Accessories* | 10/28 | C | **8WA1 822-7VH01** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/28 | C | **8WA1 825** | | 1 | 50 | 041 |
| | • *Connection combs* | | | | | | | | |
| | - *10-pole for measuring transformer terminals, can be shortened as required* | *Accessories* | 10/29 | D | **8WA7 163** | | 1 | 10 | 041 |
| | - *2-pole* | *Accessories* | 10/29 | D | **8WA1 822-7VH22** | | 1 | 10 | 041 |
| | • *Link rails, for terminal size 6 mm²* | | | | | | | | |
| | - *Two terminals* | *Accessories* | 10/29 | A | **8WA1 885** | | 1 | 50 | 041 |
| | - *Three terminals* | *Accessories* | 10/29 | C | **8WA1 886** | | 1 | 50 | 041 |
| | - *Three terminals* | *Accessories* | 10/29 | C | **8WA1 887** | | 1 | 20 | 041 |
| | - *Ten terminals* | *Accessories* | 10/29 | C | **8WA1 888** | | 1 | 10 | 041 |
| | - *Unmounted for ten terminals* | *Accessories* | 10/29 | C | **8WA1 822-7VH10** | | 1 | 50 | 041 |
| | • *Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²* | *Accessories* | 10/29 | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

10

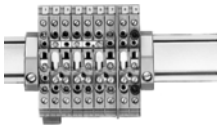
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

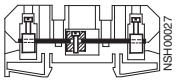




8WA1 011-1MH11



Example of circuits




8WA1 011-1MH11

| Version | | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Unit(s) | Unit(s) | |
| **Isolating terminals, terminal size 6 mm²**<br>• Rated uninterrupted current 41 A<br>• Rated insulation voltage 500 V<br>• Mounting width 8 mm<br>• Terminal height 33 mm<br>• Terminal length 83 mm<br>• Without test sockets<br>• AWG 14-8<br>• AWG 16-10 | | | C | **8WA1 011-1MH11** | | 1 | 20 | 041 |
| Accessories | Section | Page | | | | | | |
| • *Covers, for link rails* | | | | | | | | |
| - *Transparent* | *Accessories* | 10/28 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| - *White, facility for inscription* | *Accessories* | 10/28 | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
| • *Test sockets* | | | | | | | | |
| - *Rated voltage between test socket and bypassed link rail: 16 V, recessed* | *Accessories* | 10/28 | D | **8WA1 822-7PH00** | | 1 | 50 | 041 |
| - *Rated voltage between two test sockets: 125 V* | | | | | | | | |
| ◦ *Green* | *Accessories* | 10/28 | D | **8WA1 822-7PH03** | | 1 | 50 | 041 |
| ◦ *Black* | *Accessories* | 10/28 | D | **8WA1 822-7PH06** | | 1 | 50 | 041 |
| ◦ *Red* | *Accessories* | 10/28 | D | **8WA1 822-7PH08** | | 1 | 50 | 041 |
| • *Test plugs* | *Accessories* | 10/28 | D | **8WA1 868** | | 1 | 10 | 041 |
| • *Jumpers* | *Accessories* | 10/28 | C | **8WA1 822-7VH01** | | 1 | 50 | 041 |
| • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/28 | C | **8WA1 825** | | 1 | 50 | 041 |
| • *Connection combs* | | | | | | | | |
| - *10-pole for measuring transformer terminals, can be shortened as required* | *Accessories* | 10/29 | D | **8WA7 163** | | 1 | 10 | 041 |
| - *2-pole* | *Accessories* | 10/29 | D | **8WA1 822-7VH22** | | 1 | 10 | 041 |
| • *Link rails, for terminal size 6 mm²* | | | | | | | | |
| - *Two terminals* | *Accessories* | 10/29 | A | **8WA1 885** | | 1 | 50 | 041 |
| - *Three terminals* | *Accessories* | 10/29 | C | **8WA1 886** | | 1 | 50 | 041 |
| - *Four terminals* | *Accessories* | 10/29 | C | **8WA1 887** | | 1 | 20 | 041 |
| - *Ten terminals* | *Accessories* | 10/29 | C | **8WA1 888** | | 1 | 10 | 041 |
| - *Unmounted for ten terminals* | *Accessories* | 10/29 | C | **8WA1 822-7VH10** | | 1 | 50 | 041 |
| • *Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²* | *Accessories* | 10/29 | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

10

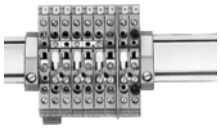
*** You can order this quantity or a multiple thereof.**

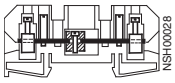
© Siemens AG 2010



## 8WA measuring transformer terminals


8WA1 011-1MH15


Example of circuits



8WA1 011-1MH15

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Instrument isolating terminals, terminal size 6 mm²**<br>• Mounting width 8 mm<br>• Terminal height 33 mm<br>• Terminal length 83 mm<br>• Open isolating distance<br>• With recessed test sockets<br>• cULus AWG 14-8<br>• CSA AWG 16-10 | | | C | **8WA1 011-1MH15** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for link rails* | | | | | | | | |
| | - *Transparent* | *Accessories* | 10/28 | D | **8WA1 822-7AX01** | | 1 | 10 | 041 |
| | - *White, facility for inscription* | *Accessories* | 10/28 | D | **8WA1 822-7AX03** | | 1 | 10 | 041 |
| | • *Test sockets* | | | | | | | | |
| | - *Rated voltage between test socket and bypassed link rail: 16 V, recessed* | *Accessories* | 10/28 | D | **8WA1 822-7PH00** | | 1 | 50 | 041 |
| | - *Rated voltage between two test sockets: 125 V* | | | | | | | | |
| | ◦ *Green* | *Accessories* | 10/28 | D | **8WA1 822-7PH03** | | 1 | 50 | 041 |
| | ◦ *Black* | *Accessories* | 10/28 | D | **8WA1 822-7PH06** | | 1 | 50 | 041 |
| | ◦ *Red* | *Accessories* | 10/28 | D | **8WA1 822-7PH08** | | 1 | 50 | 041 |
| | • *Test plugs* | *Accessories* | 10/28 | D | **8WA1 868** | | 1 | 10 | 041 |
| | • *Jumpers* | *Accessories* | 10/28 | C | **8WA1 822-7VH01** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 10/28 | C | **8WA1 825** | | 1 | 50 | 041 |
| | • *Connection combs* | | | | | | | | |
| | - *10-pole for measuring transformer terminals, can be shortened as required* | *Accessories* | 10/29 | D | **8WA7 163** | | 1 | 10 | 041 |
| | - *2-pole* | *Accessories* | 10/29 | D | **8WA1 822-7VH22** | | 1 | 10 | 041 |
| | • *Link rails, for terminal size 6 mm²* | | | | | | | | |
| | - *Two terminals* | *Accessories* | 10/29 | A | **8WA1 885** | | 1 | 50 | 041 |
| | - *Three terminals* | *Accessories* | 10/29 | C | **8WA1 886** | | 1 | 50 | 041 |
| | - *Four terminals* | *Accessories* | 10/29 | C | **8WA1 887** | | 1 | 20 | 041 |
| | - *Ten terminals* | *Accessories* | 10/29 | C | **8WA1 888** | | 1 | 10 | 041 |
| | - *Unmounted for ten terminals* | *Accessories* | 10/29 | C | **8WA1 822-7VH10** | | 1 | 50 | 041 |
| | • *Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²* | *Accessories* | 10/29 | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

## Accessories

| | | | | | |
|---|---|---|---|---|---|
| | **Covers, for link rails**<br>For through-type terminals, size 2.5 ... 6 mm² | | | | |
| | Versions | | | | |
| | • Transparent | D | **8WA1 822-7AX01** | 1 | 10 041 |
| | • White, facility for inscription | D | **8WA1 822-7AX03** | 1 | 10 041 |
| | **Test sockets**<br>Ø 4 mm | | | | |
| | Versions | | | | |
|  <br>8WA1 822-7PH00 | • Rated voltage between test socket and bypassed link rail: 16 V, recessed | D | **8WA1 822-7PH00** | 1 | 50 041 |
|  <br>8WA1 822-7PH03 | • Rated voltage between two test sockets: 125 V | | | | |
| | - Green | D | **8WA1 822-7PH03** | 1 | 50 041 |
| | - Black | D | **8WA1 822-7PH06** | 1 | 50 041 |
| | - Red | D | **8WA1 822-7PH08** | 1 | 50 041 |
|  <br>8WA1 868 | **Test plugs**<br>Red | D | **8WA1 868** | 1 | 10 041 |
|  <br>8WA1 822-7VH01 | **Jumpers**<br>Rated insulation voltage with jumper open according to DIN VDE 0110:125 V Gr. C or 250 V Gr. B | C | **8WA1 822-7VH01** | 1 | 50 041 |
|  <br>8WA1 825 | **Insulation plates, for terminal size 2.5 ... 6 mm²** | C | **8WA1 825** | 1 | 50 041 |

10



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA measuring transformer terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WA7 163 | **Connection combs**<br>For inserting in the clamping points | | | | | | |
| | Versions | | | | | | |
| | • 10-pole for measuring transformer terminals, can be shortened as required | D | **8WA7 163** | | 1 | 10 | 041 |
| | • 2-pole | D | **8WA1 822-7VH22** | | 1 | 10 | 041 |
|  8WA1 885 | **Link rails, for terminal size 6 mm²** | | | | | | |
| | Versions | | | | | | |
| | • Two terminals | A | **8WA1 885** | | 1 | 50 | 041 |
| | • Three terminals | C | **8WA1 886** | | 1 | 50 | 041 |
| | • Four terminals | C | **8WA1 887** | | 1 | 20 | 041 |
| | • Ten terminals | C | **8WA1 888** | | 1 | 10 | 041 |
| | • Unmounted for ten terminals | C | **8WA1 822-7VH10** | | 1 | 50 | 041 |
|  8WA1 822-7TH00 | **Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²** | C | **8WA1 822-7TH00** | | 1 | 50 | 041 |

## 8WA transformer terminals

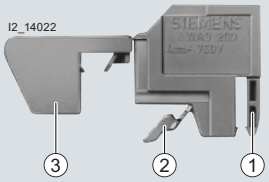
### Overview

The 8WA9 200 terminals are used for transformers and rectifiers.

The terminals are insulated on both sides, and are finger-safe according to DIN VDE 0106 Part 100.

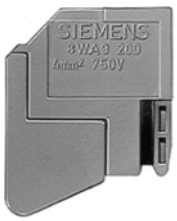
The normal labeling accessories can be used to label the transformer terminals.

In addition to the screw terminal, the 8WA9 terminals have a 6.3-0.8 flat connector. Once the conductor is soldered in place, the soldering connection is protected by a swiveling cover.




① Retainer for 2 mm x 10 mm mounting rail
② Soldered connection
③ Hinged cover

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WA9 200 (side view) | **Transformer terminals, terminal size 4 mm²**<br>• Enclosed at both ends<br>• Beige<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage according to DIN VDE 0110, Group C 690 V, 600 V to ⓤ, 600 V to ⓒ Group D<br>• Mounting width 7.5 mm<br>• Terminal height 34 mm<br>• Terminal length 27 mm<br>• With insulating body<br>• Made of molded thermoplastic<br>• For 2 mm × 10 mm mounting rail<br>• Screw terminals:<br>- Solid 0.5 mm² to 6 mm²<br>- Finely stranded with or without end sleeve 0.5 mm² to 4 mm²<br>- Stripped length 10 mm<br>• Flat connector: 6.3-0.8<br>• Soldered connection:<br>- Solid up to Ø 3 mm<br>- Finely stranded up to 2.5 mm²<br>- Stripped length 7 mm<br>- ⓒ18-10 AWG, ⓤ18-10 AWG | C | **8WA9 200** | | 1 | 100 | 041 |
|  8WA9 200 (plan view) | | | | | | | |
| | Accessories / Section / Page | | | | | | |
| | • *Labeling strips* | | | | | | |
| | - *Blank* *Accessories* 10/29 | A | **8WA8 848-2AY** | | 100 | 100 | 041 |
| | - *Any inscription* *Accessories* 10/29 | D | **8WA8 847-0XA** | | 100 | 100 | 041 |
| **Accessories** | | | | | | | |
| | **Labeling strips** | | | | | | |
| | Versions | | | | | | |
| | • Blank | A | **8WA8 848-2AY** | | 100 | 100 | 041 |
| | • Any inscription | D | **8WA8 847-0XA** | | 100 | 100 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA support rails/protective conductor busbars

### Technical specifications

| Support rail type | | | | | | | Excerpt from IEC 60947-7-2 / EN 60947-7-2 / VDE 0611 Part 3 | | |
|---|---|---|---|---|---|---|---|---|---|
| Width | Height | Thick-ness | Perforation type | Material | Surface | Rail profile | Short-circuit strength (Cu conductor) | Short-time withstand current, 1 s | Max. permissi-ble thermal rated current at PEN function |
| mm | mm | mm | | | | | mm² [1] | kA | A |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | V2A high-grade steel | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 50 | 6.0 | 150 |
| 35 | 7.5 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 35 | 4.2 | 125 |
| 35 | 15 | 2.3 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 15 | 50 | 6.0 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 95 | 11.4 | 232 |
| 35 | 15 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 70 | 8.4 | 192 |

[1] Cross-sections calculated according to IEC 60439-1 / EN 60439-1 / EN 60439-1 / VDE 0660 Part 500.

[2] Steel protective conductor busbars are not permissible for PEN function.

© Siemens AG 2010



## Technical specifications

### *Continuous load at increased ambient temperatures*

The 8WA1 terminal blocks can withstand an uninterrupted current at ambient temperatures of up to +55 °C. At higher ambient temperatures, a current reduction according to the following formula is required:

$I_{th2'} = I_{th2} \cdot k$

$I_{th2}$ = Uninterrupted current according to selection tables, relative to the nominal cross-section
$I_{th2'}$ = Uninterrupted current at increased ambient temperature
$k$ = Derating factor according to table

| Ambient temperature | Derating factor *k* |
|---|---|
| 60 °C | 0.94 |
| 65 °C | 0.88 |
| 70 °C | 0.82 |
| 75 °C | 0.75 |
| 80 °C | 0.67 |
| 85 °C | 0.58 |
| 90 °C | 0.47 |
| 95 °C | 0.33 |

The highest permissible clamping point overtemperature of 45 K specified in IEC 60947-7-1 is not exceeded at an ambient temperature of up to 100 °C.

### *Standard mounting rails as PEN rails*

Only Cu busbars must be used.

They must have the same current carrying capacity as protective conductor busbars.

PEN busbars must carry only terminals and no devices.

### *Standard mounting rails as protective conductor busbars*

Protective conductors with a larger cross-section than the protective conductor busbar, and with the same conductivity, can be connected to standard mounting rails that are also protective conductor busbars and carry current only under fault conditions.

| Standard mounting rail acc. to EN 50022-35 and IEC 60715 TH35 | Material | Type | Max. permissible cross-section of connected protective conductor mm² |
|---|---|---|---|
| 35 × 7.5 | Steel | 5ST1 141 | 16 |
| | Steel, perforated | 5ST1 145 | 16 |
| Similar to 35 × 15 | Steel | 5ST1 142 | 35 |
| | Steel | -- | 50 |
| | Copper | 8WA7 551 | 150 [1] |

[1] With 8WA1 010-1PQ00 terminal connection of up to 95 mm² finely stranded or 120 mm² stranded.

### *Clamping points*

| Terminal size | Type [1] | Thread diameter of terminal screws | Screwdriver blades acc. to DIN 5264 Form B | Tightening torque = test torque acc. to DIN VDE 0609 and DIN VDE 0611 Nm | Tensile forces acc. to IEC 60947-1 at max. conductor connection N | Stripped length mm |
|---|---|---|---|---|---|---|
| 1.5 | 8WA1 011-. SF. ., 8WA1 011-1EE00 | M3.5 | 0.8 × 4 | 0.8 | 40 | 10 |
| 2.5 | 8WA1 . . 1, 8WA1 011-1BF11, 8WA1 011-1EF . . | M2.5 and M3 | 0.5 × 3 | 0.5 | 50 | 11 |
| | 8WA1 011-. . F. . | M2.5 | 0.8 × 4 | 0.5 | 50 | 11 |
| 4 | 8WA1 011-. . G. . 8WA2 867 | M3 M3.5 | 0.8 × 4 | 0.5 0.8 ... 1 | 60 | 11 |
| 6 | 8WA1 . . 2, 8WA1 011-. . H. . | M3.5 | 0.8 × 4 | 0.8 | 80 | 11 |
| 16 | 8WA1 . . 4, 8WA1 011-. . K. . | M4 | 0.8 × 4 | 1.2 | 100 | 13 |
| 25 | 8WA2 868 | M5 | 1.2 × 6.5 | 2 | 135 | |
| 35 | 8WA1 . . 5, 8WA1 011-. . M. . 8WA2 870 | M6 | 1.2 × 6.5 | 2.5 2.5 ... 3 | 190 | 17 |
| 50 | 8WH1 000-0AN00, 8WH1 000-0AN01, 8WH1 000-0CN07 | M6 | 1.2 × 8 | 6 ... 8 | -- | 24 |
| | 8WH1 070-0AN00 | M6 | -- | 3 ... 7 | -- | 6 ... 25 |
| 70 | 8WA1 . . 6 | M8 | 4 hexagon socket-head | 6 | 285 | 25 |
| 95 | 8WA1 010-1PQ00 | M8 | 6 hexagon socket-head | 15 ... 20 | | 30 |
| | 8WH1 000-0AQ00, 8WH1 000-0AQ01 | M8 | 6 hexagon socket-head | 15 ... 20 | -- | 33 |
| | 8WH1 000-0CQ07 | M8 | 6 hexagon socket-head | 15 ... 20 | -- | 30 |
| | 8WH1 070-0AQ00 | M8 | -- | 6 ... 15 | -- | 16... 25 |
| | 8WH1 060-0AQ00 | M8 | -- | 25 ... 30 | -- | 29 |
| 150 | 8WH1 000-0AS0. | M10 | 8 hexagon socket-head | 25 ... 30 | -- | 40 |
| | 8WH1 070-0AS00 | M10 | -- | 10 ... 18 | -- | 10 ... 18 |
| | 8WH1 060-0AS00 | M10 | -- | 25 ... 30 | -- | 34 |
| 240 | 8WH1 000-0AU0. | M10 | 10 hexagon socket-head | 30 ... 35 | -- | 40 |
| | 8WH1 060-0AU00 | M10 | -- | 30 ... 35 | -- | 34 |

[1] Tightening torque also applicable for accessories (socket, link rails, etc.).

© Siemens AG 2010



## 8WA general technical specifications

### *Rated impulse withstand voltage of terminal blocks*

Values depend on the mains rated voltage ≤ rated insulation voltage of terminal block; excerpt from EN 60947-1, table H.1.

Terminal blocks are tested to overvoltage category III.

| Rated mains voltage (≤ Rated insulating voltage of the device) | | Highest rated operational voltage to ground | Preferred values for rated impulse withstand voltage as 1.2/50 µs-pulse | | | |
|---|---|---|---|---|---|---|
| | | | Overvoltage category | | | |
| RMS value V AC | | RMS value V AC or DC | I kV | II kV | III kV | IV kV |
| -- | | 50 | 330 | 500 | 800 | 1500 |
| 66/115 | | 100 | 500 | 800 | 1500 | 2500 |
| 120/208 | 127/220 | 150 | 800 | 1500 | 2500 | 4000 |
| 230/400 | 277/480 | 300 | 1500 | 2500 | 4000 | 6000 |
| 400/690 | | 600 | 2500 | 4000 | 6000 | 8000 |
| 1000 | | 1000 | 4000 | 6000 | 8000 | 12000 |

### *Connection*

| Terminal size | Type | Smallest conductor cross-section | | | | | Largest conductor cross-section | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve [1] | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve [1] | |
| mm² | | mm² | mm² | mm² | mm² | Size | mm² | mm² | mm² | mm² | Size |
| **Single-conductor connection** | | | | | | | | | | | |
| 1.5 | 8WA1 011-.SF . . , 8WA1 011-1EE00 | 1 | -- | -- | 0.75 | 0.75 ... 10 | 2.5 | -- | -- | 1.5 | 1.5 ... 10 |
| 2.5 | 8WA1 211, 8WA1 011-. .F. . | 0.25 [2] | 0.5 | 0.5 | 0.5 | 0.5 ... 10 | 4 | 2.5 | 2.5 | 2.5 | 2.5 ... 12 [4] |
| | 8WA1 011-3JF . . | 0.25 [2] | 0.5 | 0.5 | 0.5 | 0.5 ... 10 | 4 | 2.5 | 2.5 | 2.5 | 2.5 ... 7 |
| | 8WA1 501, 8WA1 511, 8WA1 011-1EF. . | 0.25 [2] | 0.5 | 0.5 | 0.5 | 0.5 ... 10 | 4 | 2.5 | 2.5 | 2.5 | 1.5 ... 10 |
| 4 | 8WA9 200 | 0.5 | 1.5 | 1.5 | 0.75 | 0.75 ... 10 | 6 | 4 | 4 | 4 | 4 |
| | 8WA2 86. feeder terminal | 1 | 1.5 | 1.5 | 0.75 | 0.75 ... 10 | 6 | 4 | 4 | 4 | 4 ... 12 [4] |
| | 8WA1 011-. .G.. | 0.5 | 1.5 | 0.5 | 0.75 | 0.75 ... 10 | 6 | 4 | 4 | 4 | 4 ... 12 [4] |
| 6 | 8WA1 011-1.H.. | 0.75 | 1.5 | 1.5 | 0.5 | 0.5 ... 10 | 10 | 6 | 6 | 6 | 6 ... 12 |
| | 8WA1 010-1PH01 | 0.5 | 1.5 | 1.5 | 0.5 | 0.5 ... 10 | 10 | 6 | 6 | 6 | 6 ... 15 |
| 16 | 8WA1 204, 8WA1 304, 8WA1 011-1BK11 | 1.5 | 2.5 | 2.5 | 1 | 1 ... 10 [3] | 16 | 25 | 16 | 16 | 16 ... 12 |
| | 8WA1 604, 8WA1 011-1NK02 | 1.5 | 2.5 | 4 | 1.5 | 1 ... 10 [3] | 16 | 25 | 16 | 16 | 16 ... 12 |
| | 8WA1 011-1PK00 | 1.5 | 2.5 | 4 | 1.5 | 1.5 ... 7 [6] | 16 | 25 | 16 | 16 | 16 ... 15 |
| | 8WA2 86. feeder terminal | 1.5 | 2.5 | 4 | 2.5 | 2.5 ... 12 | 16 | 16 | 10 | 10 | 10 ... 12 |
| 25 | 8WH1 060-0AL00 | -- | -- | 4 | 4 | -- | -- | -- | 25 | 25 | -- |
| 35 | 8WA1 205, 8WA1 305, 8WA1 011-1BM11 | 4 | 10 | 6 | 6 | 6 ... 15 | 16 [5] | 50 | 35 | 35 | 35 ... 18 [7] |
| | 8WA1 011-1PM00 | 4 | 10 | 10 | 6 | 6 ... 15 | 16 [5] | 50 | 35 | 25 | 25 ... 15 |
| | 8JH4 114 feeder terminal | 6 | 10 | 16 | 6 | 6 ... 15 | 16 | 35 | 25 | 25 | 25 ... 15 |
| | 8WA2 870 | 6 | 10 | 16 | 6 | 6 ... 15 | 16 | 35 | 25 | 25 | 25 ... 15 |
| 50 | 8WH1 000-0AN00 | -- | -- | 10 | 10 | -- | -- | -- | 50 | 50 | -- |
| | 8WH1 000-0AN01 | -- | -- | 10 | 10 | -- | -- | -- | 50 | 50 | -- |
| | 8WH1 000-0CN07 | -- | -- | 25 | 25 | -- | -- | -- | 50 | 50 | -- |
| | 8WH1 070-0AN00 | -- | -- | 6 [1] | -- | -- | -- | -- | -- | 35 [1] | -- |
| | 8WH1 060-0AN00 | -- | -- | 25 | 25 | -- | -- | -- | 50 | 50 | -- |
| 70 | 8WA1 206 | 10 | 16 | 16 | 16 | 16 ... 12 [6] | 95 | 95 | 95 | -- | -- |
| 95 | 8WA1 010-1PQ00 | -- | 50 | 50 | -- | -- | -- | 95 | 95 | -- | -- |
| | 8WH1 000-0AQ00 | -- | -- | 35 | 35 | -- | -- | -- | 95 | 95 | -- |
| | 8WH1 000-0AQ01 | -- | -- | 35 | 35 | -- | -- | -- | 95 | 95 | -- |
| | 8WH1 000-0CQ07 | -- | -- | 35 | 35 | -- | -- | -- | 35 | 95 | -- |
| | 8WH1 070-0AQ00 | -- | -- | -- | 16 [1] | -- | -- | -- | -- | 35 [1] | -- |
| | 8WH1 060-0AQ00 | -- | -- | 35 | 35 | -- | -- | -- | 95 | 95 | -- |
| 150 | 8WH1 000-0AS00, 8WH1 000-0AS01 | -- | -- | 50 | 50 | -- | -- | -- | 150 | 150 | -- |
| | 8WH1 060-0AS00 | -- | -- | 50 | 50 | -- | -- | -- | 150 | 150 | -- |
| 240 | 8WA1 011-1DU.. | -- | -- | -- | -- | -- | -- | 240 | 240 | -- | -- |
| | 8WH1 000-0AU00, 8WH1 000-0AU01 | -- | -- | 70 | 70 | -- | -- | -- | 185 | 185 | -- |
| | 8WH1 060-0AU00 | | | | | | | | | | |

[1] End sleeves according to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

[2] 0.12/0.25 mm² corresponds to ∅ 0.4/0.6 mm.

[3] For 0.75 mm² conductors, use end sleeves 1-10 and press on with insert E1 or PZ 1.5.

[4] At voltages > 500 V, shorten end sleeves with inserted conductor to 10 mm before pressing on.

[5] Tested up to 16 mm².

[6] Fit and press on two end sleeves behind one another (up to stop).

[7] Voltage reduction to 630 V required.

[8] With screw terminals.

[9] With PZ 1.5 on top of each other ⊟.

[10] Stripped length 27 mm.

[11] Cable lug according to DIN 46235.

© Siemens AG 2010



| Terminal size | Type | Smallest conductor cross-section | | | | | Largest conductor cross-section | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve [1] | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve [1] | |
| mm² | | mm² | mm² | mm² | mm² | Size | mm² | mm² | mm² | mm² | Size |
| **Two-wire connection**, 2 conductors each of same cross-section; with end sleeves the two rectangular sleeves must be inserted in the same position. | | | | | | | | | | | |
| 1.5 | 8WA1 011-. SF . ., -1EE00 | 2 × 1 | -- | -- | 2 × 0.75 | 1 ... 10 [3] | 2 × 2.5 | -- | -- | 2 × 1.5 | 1.5 ... 10 |
| 2.5 | 8WA1 211, 8WA1 011-. .F. . | 2 × 0.12 [2] | 2 × 0.5 | 2 × 0.5 | 2 × 0.5 [9] | 0.75 ... 6 | 2 × 0.75 | 2 × 0.5 | 2 × 0.5 | 2 × 1.5 [9] | 1.5 ... 10 |
| | 8WA1 501, 8WA1 511, 8WA1 011-1EF. . | 2 × 0.12 [2] | 2 × 0.5 | 2 × 0.25 | -- | -- | 2 × 0.75 | 2 × 0.5 | 2 × 0.75 | -- | -- |
| 4 | 8WA1 011-. .G. ., -1DG11 | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 1.5 ... 10 |
| | 8WA1 011-2DG11 | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1 | 2 × 1.5 | 2 × 1.5 | 2 × 1 | 1 ... 10 |
| | 8WA1 011-6DG11, top | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 2 × 1 | 1 ... 10 |
| | 8WA1 011-6DG11, bottom | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1 | 2 × 1.5 | 2 × 1.5 | 2 × 1 | 1 ... 10 |
| | 8WA1 011-1PG00 | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1 | 2 × 1.5 | 2 × 1.5 | 2 × 1 | 1 ... 10 |
| | 8WA1 011-1PG11, -1NG01 | 2 × 0.5 | 2 × 1 | 2 × 1 | 2 × 0.5 | 0.5 × 10 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 2 × 1 | 1 ... 10 |
| 6 | 8WA1 011-1 . H . ., -3DH21 | 2 × 0.5 | 2 × 0.75 | 2 × 0.75 | 2 × 0.5 | 0.5 × 10 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 1.5 ... 10 |
| | 8WA1 010-1PH01 | 2 × 0.5 | 2 × 0.75 | 2 × 0.75 | 2 × 0.5 | 0.5 × 10 | 2 × 1.5 | 2 × 1.5 | 2 × 1.5 | 2 × 0.75 | 1 ... 10 |
| 16 | 8WA1 204, 8WA1 304, 8WA1 604, 8WA1 011-1BK11 | 2 × 1 | 2 × 2.5 | 2 × 2.5 | 2 × 1 | 1 ... 10 | 2 × 4 | 2 × 4 | 2 × 4 | 2 × 4 | 4 ... 12 |
| | 8WA1 734 | 2 × 2.5s | -- | -- | 2 × 1.5 | 1.5 ... 7 [6] | 2 × 4 | 2 × 4 | 2 × 4 | 2 × 4 | 4 ... 12 |
| 35 | 8WA1 205, 8WA1 305, 8WA1 011-1BM11, 8WA1 735 | 2 × 4 | 2 × 10 | 2 × 6 | 2 × 6 | 6 ... 15 | 2 × 10 | 2 × 10 | 2 × 10 | 2 × 10 | 10 ... 15 |
| 50 | 8WH1 000-0AN00, 8WH1 000-0AN01 , 8WH1 000-0CN07 | 2 × 10 | 2 × 10 | 2 × 10 | 2 × 10 | -- | 2 × 35 | 2 × 35 | 2 × 35 | 2 × 35 | -- |
| 70 | 8WA1 206 | 2 × 10 | 2 × 10 | 2 × 10 | 2 × 10 | 10 ... 12 [6] | 2 × 16 | 2 × 16 | 2 × 16 | 2 × 16 | 16 ... 12 [7] |
| 95 | 8WH1 000-0AQ00, 8WH1 000-0AQ01, 8WH1 000-0CQ07 | 2 × 25 | 2 × 25 | 2 × 25 | 2 × 25 | -- | 2 × 35 | 2 × 35 | 2 × 35 | 2 × 35 | -- |
| 150 | 8WH1 000-0AS00, 8WH1 000-0AS01 | 2 × 25 | 2 × 25 | 2 × 25 | 2 × 25 | -- | 2 × 50 | 2 × 50 | 2 × 50 | 2 × 50 | -- |
| 240 | 8WH1 000-0AU00, 8WH1 000-0AU01 | 2 × 35 | 2 × 35 | 2 × 35 | 2 × 35 | -- | 2 × 95 | 2 × 95 | 2 × 95 | 2 × 95 | -- |

1) End sleeves according to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

2) 0.12/0.25 mm² corresponds to ∅ 0.4/0.6 mm.

3) For 0.75 mm² conductors, use end sleeves 1-10 and press on with insert E1 or PZ 1.5.

4) At voltages > 500 V, shorten end sleeves with inserted conductor to 10 mm before pressing on.

5) Tested up to 16 mm².

6) Fit and press on two end sleeves behind one another (up to stop).

7) Voltage reduction to 630 V required.

8) With screw terminals.

9) With PZ 1.5 on top of each other.

10) Stripped length 27 mm.

### *Conductor cross-sections to AWG "American Wire Gauge"*

| AWG No. | Wire diameter mm | Cross-section mm² | AWG No. | Wire diameter mm | Cross-section mm² | AWG No. | Wire diameter mm | Cross-section mm² |
|---|---|---|---|---|---|---|---|---|
| 30 | 0.254 | 0.051 | 18 | 1.024 | 0.82 | 6 | 4.115 | 13.30 |
| 29 | 0.287 | 0.065 | 17 | 1.151 | 1.04 | 5 | 4.620 | 16.77 |
| 28 | 0.320 | 0.081 | 16 | 1.290 | 1.31 | 4 | 5.189 | 21.15 |
| 27 | 0.363 | 0.102 | 15 | 1.450 | 1.65 | 3 | 5.827 | 26.66 |
| 26 | 0.404 | 0.128 | 14 | 1.628 | 2.08 | 2 | 6.543 | 33.62 |
| 25 | 0.455 | 0.163 | 13 | 1.829 | 2.63 | 1 | 7.348 | 42.41 |
| 24 | 0.511 | 0.205 | 12 | 2.052 | 3.31 | 1/0 | 8.252 | 53.52 |
| 23 | 0.574 | 0.259 | 11 | 2.304 | 4.17 | 2/0 | 9.266 | 67.43 |
| 22 | 0.643 | 0.33 | 10 | 2.588 | 5.26 | 3/0 | 10.404 | 85.01 |
| 21 | 0.724 | 0.41 | 9 | 2.906 | 6.63 | 4/0 | 11.684 | 107.21 |
| 20 | 0.813 | 0.52 | 8 | 3.268 | 8.37 | 5/0 | -- | 135.35 |
| 19 | 0.912 | 0.65 | 7 | 3.665 | 10.55 | 6/0 | -- | 170.50 |

© Siemens AG 2010



## 8WA general technical specifications

*- and rating*

| Terminal size | Type | CSA rating | | | UR rating | | |
|---|---|---|---|---|---|---|---|
| | | AWG | Rated current $I_n$ | Rated voltage $U_e$ | AWG | Rated current $I_n$ | Rated voltage $U_e$ |
| mm² | | | A | V | | A | V |
| 1.5 | 8WA1 011-1SF12 | 18-14 | 6.3 | 600 | 18-14 | 6.3 | 600 |
| | 8WA1 011-1SF24, -2SF24, -4SF24 | 14 | 1 | -- | 14-12 | 1 | 240 AC/60 DC |
| | 8WA1 011-1SF25, -2SF25, -4SF25 | 14 | 2 | -- | 14-12 | 2 | 240 AC/60 DC |
| | 8WA1 011-1SF26, -2SF26, -4SF26 | 14 | 4 | -- | 14-12 | 4 | 240 AC/60 DC |
| | 8WA1 011-1SF27, -2SF27, -4SF27 | 14 | 6 | -- | 14-12 | 6 | 240 AC/60 DC |
| | 8WA1 011-1SF28, -2SF28, -4SF28 | 14 | 10 | -- | 14-12 | 10 | 240 AC/60 DC |
| 2.5 | 8WA1 011-1BF21, -1BF22, -1BF23, -1PF11 | 18-12 | 25 | 600 | 22-12 | 26 | 600 |
| | 8WA1 011-1DF11, -3DF21, -0DF21, -0DF22 | 18-12 | 25 | 600 | 22-12 | 26 | 600 |
| | 8WA1 011-1NF01, -1NF02 | 22-12 | 26 | 600 | 22-12 | 26 | 600 |
| | 8WA1 011-3JF.. | -- | -- | -- | 22-12 | 26 | 300 |
| | 8WA1 011-1PF00, 8WA1 011-1PF01 | 22-12 | -- | -- | 22-12 | -- | -- |
| | 8WA1 501 | 22-12 | 10 | 300 D | 22-12 | 10 | 300 |
| 4 | 8WA1 011-1PG00, 8WA1 011-1PG01 | 18-10 | -- | -- | 18-10 | -- | -- |
| | 8WA1 011-1BG11, -1BG21, -1BG22 | 18-10 | 40 | 600 | 18-10 | 35 | 600 |
| | 8WA1 011-1DG11, -3DG21, -0DG21, -0DG22 | 18-10 | 40 | 600 | 18-10 | 35 | 600 |
| | 8WA1 011-1NG31, -1NG32 | 18-10 | 40 | 600 | 18-10 | 35 | 600 |
| | 8WA1 011-1PG11 | 18-10 | 40 | 600 | -- | -- | -- |
| | 8WA1 011-2BG11, -2DG11 | 18-10 | 40 | 300 | 18-10 | 35 | 600 |
| | 8WA1 011-6BG11, -6DG11 | 18-10 | 40 | 300 | 18-10 | 35 | 600 |
| | 8WA1 011-6EG.. | -- | -- | -- | 18-10 | 34 | 300 |
| | 8WA9 200 | 18-10 | 25 | 300 | 18-10 | 26 | 600 |
| 6 | 8WA1 011-1PH00 | -- | -- | -- | 14-8 | -- | -- |
| | 8WA1 011-1BH23, -1PH11 | 16-10 | 35 | 600 | 14-8 | 44 | 600 |
| | 8WA1 011-1DH11, -3DH21 | 16-8 | 35 | 600 | 14-8 | 44 | 600 |
| | 8WA1 011-1NH01, -1NH02 | 14-8 | 44 | 600 | 14-8 | 44 | 600 |
| | 8WA1 011-1MH10, -1MH11, -1MH15 | 16-10 | 35/40 | 600/300 C/D | 14-8 | 44 | 600/300 |
| | 8WA1 232 | -- | -- | -- | --[1] | 24 | 600 |
| 16 | 8WA1 011-1BK11 | 14-6 | 70 | 600 | 12-4 | 79 | 600 |
| | 8WA1 011-1NK02 | -- | -- | -- | 12-4 | 73 | 300 |
| | 8WA1 011-1PK00 | 12-4 | -- | -- | 12-4 | -- | -- |
| | 8WA1 012-1DK10 | -- | -- | -- | -- | 79 | 600 |
| | 8WA1 204, 8WA1 304 | 14-6 | 70 | 600 | 12-4 | 79 | 600 |
| | 8WA1 604 | -- | -- | -- | 12-4 | 73 | 300 |
| 25 | 8WH1 060-0AL00 | 6-4 | 100 | 600 | 6-4 | 85 | 600 |
| 35 | 8WA1 011-1BM11 | 12-2 | 100 | 600 | 10-1 | 120 | 600 |
| | 8WA1 011-1PM00 | 10-1 | -- | -- | 10-1 | -- | -- |
| | 8WA1 205, 8WA1 305 | 12-2 | 100 | 600 | 10-1 | 120 | 600 |
| 50 | 8WH1 000-0AN00, 8WH1 000-0AN01 | 6-0 | 125 | 600 | 6-0 | 150 | 600 |
| | 8WH1 000-0CN07 | -- | -- | -- | 6-1 | | |
| | 8WH1 060-0AN00 | 6-0 | 125 | 600 | 6-0 | 150 | 600 |
| 70 | 8WA1 012-1DP14 | 2/0-1 | 170 | 600 | 6-3/0 | -- | 600 |
| | 8WA1 206 | 8-1/0 | 150 | 600 | 8-3/0 | 220 | 600 |
| 95 | 8WH1 000-0AQ00, 8WH1 000-0AQ01 | 1-000 | 220 | 600 | 2-000 | 230 | 600 |
| | 8WH1 000-0CQ07 | 2-4 | | | 2-4 | | |
| | 8WH1 060-0AQ00 | 2-000 | 200 | 600 | 2-000 | 230 | 600 |
| 150 | 8WH1 000-0AS0, 8WH1 000-0AS01 | 2 - 300 kcmil | 275 | 600 | 2 - 300 kcmil | 285 | 600 |
| | 8WH1 060-0AS00 | 2 - 300 kcmil | 275 | 600 | 2 - 300 kcmil | 285 | 600 |
| 240 | 8WH1 000-0AU00, 8WH1 000-0AU01 | 0 - 500 kcmil | 400 | 600 | 0 - 500 kcmil | 380 | 600 |
| | 8WH1 000-0AU00 | 0 - 500 kcmil | 400 | 600 | 0 - 500 kcmil | 380 | 600 |

[1] Plug-in connection.

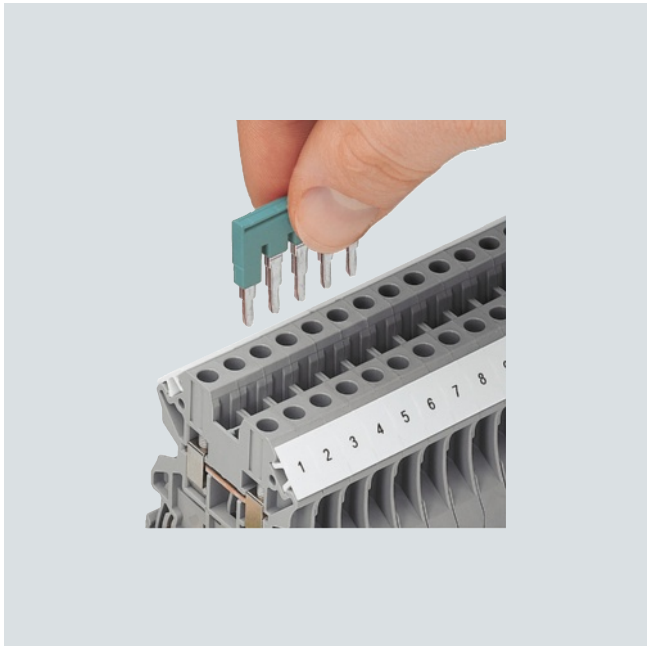
© Siemens AG 2010



## Overview

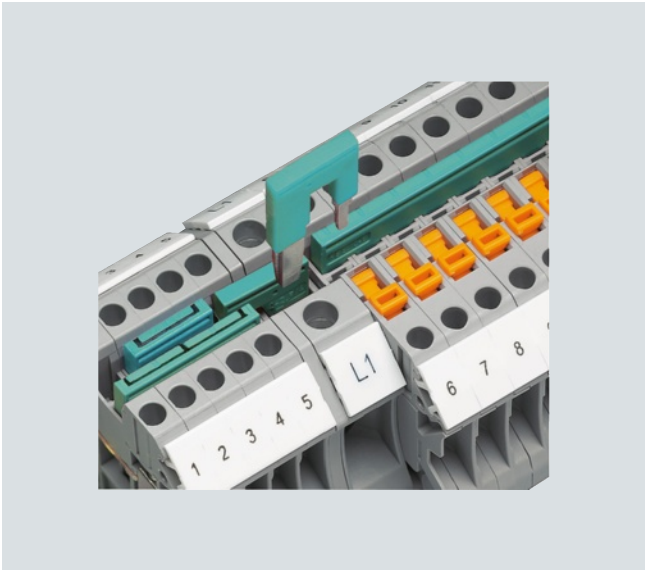


The screw terminal is characterized by its worldwide standard, multi-conductor connection and by being maintenance free.

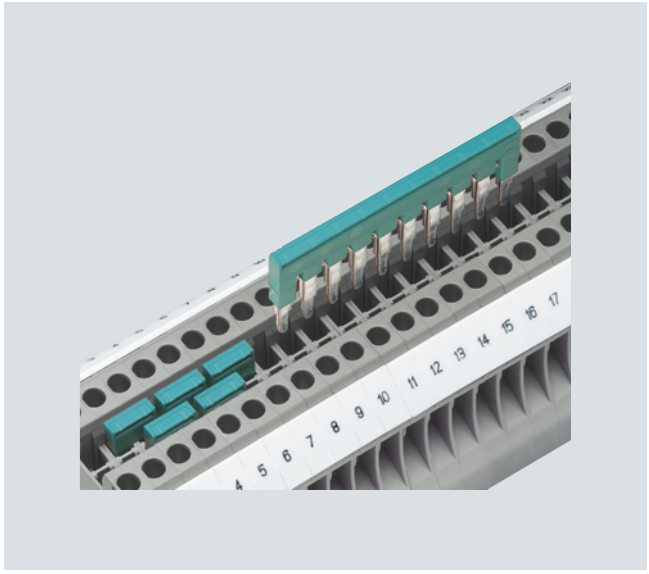


The potential distribution can be achieved quickly with the standardized connecting comb. Flexible chain, step or staggered linking is made possible with two or more bridge shafts on all terminals.






Reducing combs enable easy connection of terminals with various nominal cross-sections and terminal designs. Reducing combs can used for the fast creation of infeed blocks.



With the double bridge slot any number of terminals can be connected with two-pole jumpers. The 2- to 50-pole jumpers allow up to 50 terminals to be linked in one single step.

© Siemens AG 2010



# Screw Terminals

## 8WH through-type terminals

### Overview



8WH through-type terminals are characterized by their compact design and optimum handling. They are available in conductor cross-section areas from 2.5 to 35 mm$^2$ and can be inscribed with labels. The double bridge slot enables individual chain bridging with connecting combs. Corresponding accessories are available for testing and labeling. Secure electrical and mechanical contact with the support rail is assured by simply snapping the terminals onto the rail.

### Technical specifications

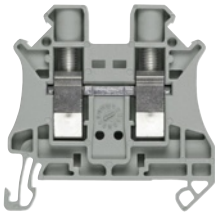
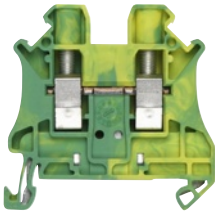
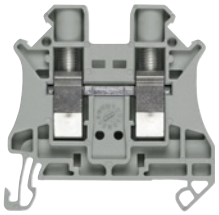
| | 8WH1 000-0AF00<br>8WH1 000-0AF01 | 8WH1 000-0AG00<br>8WH1 000-0AG01 | 8WH1 000-0AH00<br>8WH1 000-0AH01 | 8WH1 000-0AJ00<br>8WH1 000-0AJ01 | 8WH1 000-0AK00<br>8WH1 000-0AK01 | 8WH1 000-0AM00<br>8WH1 000-0AM01 |
|---|---|---|---|---|---|---|
| Dimensions | | | | | | |
| • Width / length / width of cover in mm | 5.2 / 47.7 / 2.2 | 6.2 / 47.7 / 2.2 | 8.2 / 47.7 / 2.2 | 10.2 / 47.7 / 2.2 | 12 / 55.3 / 2.2 | 16 / 60.2 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 47.5 / 55 | | | | 55 / 62.5 | 65.7 / 73.2 |
| Technical specifications acc. to IEC/DIN VDE | | | | | | |
| • Max. load current in A / cross-section in mm$^2$ | 32 / 4 | 41 / 6 | 57 / 10 | 76 / 16 | 101 / 25 | 150 / 50 |
| • Rated impulse withstand voltage in kV / pollution degree | 8 kV/3 | | | | | |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 1000 | | | | | |
| • Overvoltage category / insulating group | III / I | | | | | |
| Connection capacities | | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm$^2$ | 0.25 ... 2.5 | 0.25 ... 4 | 0.25 ... 6 | 0.5 ... 10 | 1.0 ... 16 | 1.5 ... 35 |
| • Flexible with end sleeve without plastic sleeve in mm$^2$ | 0.25 ... 2.5 | 0.25 ... 4 | 0.25 ... 6 | 0.5 ... 10 | 1.0 ... 16 | 1.5 ... 35 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm$^2$ | 0.5 ... 1.5 | 0.5 ... 2.5 | 0.5 ... 4 | 0.5 ... 6 | 0.75 ... 10 | 1.5 ... 10 |
| • Rigid in mm$^2$ | 0.14 ... 4 | 0.14 ... 6 | 0.2 ... 10 | 0.5 ... 16 | 1.5 ... 25 | 1.5 ... 50 |
| Stripped length in mm | 9 | | 10 | | 14 | 18 |
| Insulation type | PA | | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | | |
| Approval data (UL/CUL and CSA) | | | | | | |
| • Rated voltage / current / cable sizes | | | | | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | 600 / 30 / 26-10 | 600 / 50 / 24-8 | 600 / 65 / 20-6 | 600 / 85 / 16-4 | 600 / 150 / 14-1/0 |
| - CSA: in V/A / AWG | 600 / 20 / 26-12 | 600 / 30 / 26-10 | 600 / 50 / 24-8 | 600 / 65 / 20-6 | 600 / 85 / 16-4 | 600 / 150 / 14-1/0 |

| | 8WH1 000-0CF07 | 8WH1 000-0CG07 | 8WH1 000-0CH07 | 8WH1 000-0CJ07 | 8WH1 000-0CK07 | 8WH1 000-0CM07 |
|---|---|---|---|---|---|---|
| Dimensions | | | | | | |
| • Width / length / width of cover in mm | 5.2 / 47.7 / 2.2 | 6.2 / 47.7 / 2.2 | 8.2 / 47.7 / 2.2 | 10.2 / 47.7 / 2.2 | 12 / 55.3 / 2.2 | 16 / 60.2 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 47.5 / 55 | | | | 55 / 62.5 | 65.7 / 73.2 |
| Tech. specifications acc. to IEC/DIN VDE | | | | | | |
| • Max. load current in A / cross-section in mm$^2$ | -- / 4 | -- /6 | -- /10 | -- /16 | 101 / 25 | 125 / 35 |
| • Rated impulse withstand voltage in kV / pollution degree | 8 kV/3 | | | | | |
| • Overvoltage category /insulating group | III / I | | | | | |
| Connection capacities | | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm$^2$ | 0.25 ... 2.5 | 0.25 ... 2.4 | 0.25 ... 6 | 0.5 ... 10 | 1.0 ... 16 | 1.5 ... 35 |
| • Flexible with end sleeve without plastic sleeve in mm$^2$ | 0.25 ... 2.5 | 0.25 ... 2.4 | 0.25 ... 6 | 0.5 ... 10 | 1.0 ... 16 | 1.5 ... 35 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm$^2$ | 0.5 ... 1.5 | 0.5 ... 2.5 | 0.5 ... 4 | 0.5 ... 6 | 0.75 ... 10 | 1.5 ... 10 |
| • Rigid in mm$^2$ | 0.14 ... 4 | 0.14 ... 6 | 0.2 ... 10 | 0.5 ... 16 | 1.5 ... 25 | 1.5 ... 35 |
| Stripped length in mm | 9 | | 10 | | 14 | 18 |
| Insulation type | PA | | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | | |
| Approval data (UL/CUL and CSA) | | | | | | |
| • Rated voltage / current / cable sizes | | | | | | |
| - UL/CUL: in V/A / AWG | -- / -- / 26-12 | -- / -- / 26-10 | -- / -- / 24-8 | -- / -- / 20-6 | -- / -- / 16-4 | -- / -- / 14-1/0 |
| - CSA: in V/A / AWG | -- / -- / 26-12 | -- / -- / 26-10 | -- / -- / 24-8 | -- / -- / 20-6 | -- / -- / 16-4 | -- / -- / 14-1/0 |

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | |
|  8WH1 000-0AF00 | **Through-type terminals, terminal size 2.5 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 32 A<br>• $U_{max}$ = 1000 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 4 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm² | | | | | | | |
| | Versions | | | | | | | |
| | • Gray | | C | **8WH1 000-0AF00** | | 1 | 50 | 044 |
| | • Blue | | C | **8WH1 000-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 2.5 mm²* | *dto.* 10/41 | C | **8WH9 060-5BA06** | | 100 | 50 | 044 |
|  8WH1 000-0CF07 | **Through-type PE terminals, terminal size 2.5 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 5.2 mm<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 4 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Green-yellow | | C | **8WH1 000-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 2.5 mm²* | *dto.* 10/41 | C | **8WH9 060-5BA06** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | | |
|  8WH1 000-0AG00 | **Through-type terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• $I_{max}$ = 41 A<br>• $U_{max}$ = 1000 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm² | | | | | | | |
| | Versions | | | | | | | |
| | • Gray | | C | **8WH1 000-0AG00** | | 1 | 50 | 044 |
| | • Blue | | C | **8WH1 000-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 4 mm²* | *dto.* 10/41 | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |

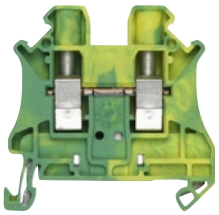
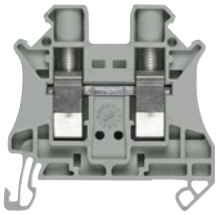
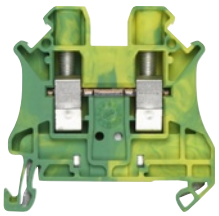
10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH1 000-0CG07 | **Through-type PE terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Green-yellow | | | C | **8WH1 000-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* | 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* | 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 4 mm²* | *dto.* | 10/41 | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WH1 000-0AH00 | **Through-type terminals, terminal size 6 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 8.2 mm<br>• $I_{max}$ = 57 A<br>• $U_{max}$ = 1000 V<br>• AWG 24-8<br>• Connection capacity, one conductor<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 10 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.2 ... 2.5 mm²<br>- Flexible, 0.2 ... 2.5 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH1 000-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* | 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Reducing combs, for connecting terminals, from terminal size 6 mm² to 2.5 or 4 mm²* | | | | | | | | |
| | - *From screw to screw* | *dto.* | 10/41 | C | **8WH9 002-8AC10** | | 1 | 10 | 044 |
| | - *From screw to spring* | *dto.* | 10/41 | C | **8WH9 002-8BC10** | | 1 | 10 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* | 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 6 mm²* | *dto.* | 10/41 | C | **8WH9 064-5BA06** | | 100 | 50 | 044 |
|  8WH1 000-0CH07 | **Through-type PE terminals, terminal size 6 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 8.2 mm<br>• AWG 24-8<br>• Connection capacity, one conductor<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 10 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.2 ... 2.5 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>• Green-yellow | | | C | **8WH1 000-0CH07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* | 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *dto.* | 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 6 mm²* | *dto.* | 10/41 | C | **8WH9 064-5BA06** | | 100 | 50 | 044 |

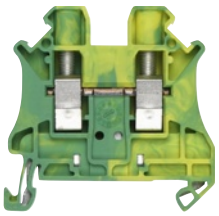
10



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 10 mm²** | | | | | | | | | |
|  8WH1 000-0AJ00 | **Through-type terminals, terminal size 10 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 10.2 mm<br>• $I_{max}$ = 76 A<br>• $U_{max}$ = 1000 V<br>• AWG 20-6<br>• Connection capacity, one conductor<br>- Rigid, 5 ... 16 mm²<br>- Flexible, 5 ... 16 mm²<br>• Connection capacity, two conductors<br>- Rigid, 5 ... 4 mm²<br>- Flexible, 5 ... 4 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AJ00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH1 000-0AJ01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* | 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Reducing combs, for connecting terminals, from terminal size 10 mm² to 2.5 or 4 mm²* | | | | | | | | |
| | - *From screw to screw* | *dto.* | 10/41 | C | **8WH9 002-8CC10** | | 1 | 10 | 044 |
| | - *From screw to spring* | *dto.* | 10/41 | C | **8WH9 002-8DC10** | | 1 | 10 | 044 |
| | • *Compartment partitions, for through-type terminals* | *dto.* | 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 10 mm²* | *dto.* | 10/41 | C | **8WH9 065-5BA06** | | 100 | 50 | 044 |
|  8WH1 000-0CJ07 | **Through-type PE terminals, terminal size 10 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 10.2 mm<br>• AWG 20-6<br>• Connection capacity, one conductor<br>- Rigid, 0.5 ... 16 mm²<br>- Flexible, 0.5 ... 16 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.5 ... 4 mm²<br>- Flexible, 0.5 ... 4 mm²<br>• Green-yellow | | | C | **8WH1 000-0CJ07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 2.5 ... 10 mm²* | *Accessories* | 10/40 | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for through-type terminals* | *dto.* | 10/41 | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 10 mm²* | *dto.* | 10/41 | C | **8WH9 065-5BA06** | | 100 | 50 | 044 |
| **Terminal size 16 mm²** | | | | | | | | | |
|  8WH1 000-0AK00 | **Through-type terminals, terminal size 16 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 12.2 mm<br>• $I_{max}$ = 101 A<br>• $U_{max}$ = 1000 V<br>• AWG 16-4<br>• Connection capacity, one conductor<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 25 mm²<br>• Connection capacity, two conductors<br>- Rigid, 1 ... 6 mm²<br>- Flexible, 1 ... 6 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AK00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH1 000-0AK01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 16 mm²* | *Accessories* | 10/40 | C | **8WH9 076-1PA00** | | 100 | 50 | 044 |
| | • *Reducing combs, for connecting terminals, from terminal size 16 mm² to 2.5 or 4 mm²* | | | | | | | | |
| | - *From screw to screw* | *dto.* | 10/41 | C | **8WH9 002-8EC10** | | 1 | 10 | 044 |
| | - *From screw to spring* | *dto.* | 10/41 | C | **8WH9 002-8FC10** | | 1 | 10 | 044 |
| | • *Warning covers, for terminal size 16 mm²* | *dto.* | 10/41 | C | **8WH9 066-5BA06** | | 100 | 50 | 044 |

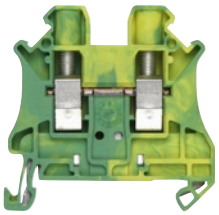
10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH1 000-0CK07 | **Through-type PE terminals, terminal size 16 mm²**<br>• cULus<br>• CSA<br>• Terminal width 12.2 mm<br>• AWG 16-4<br>• Connection capacity, one conductor<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 25 mm²<br>• Connection capacity, two conductors<br>- Rigid, 1 ... 6 mm²<br>- Flexible, 1 ... 6 mm²<br>• Green-yellow | | | C | **8WH1 000-0CK07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for through-type terminals, for terminal size 16 mm²* | *Accessories* | 10/40 | C | **8WH9 076-1PA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 16 mm²* | *dto.* | 10/41 | C | **8WH9 066-5BA06** | | 100 | 50 | 044 |
| **Terminal size 35 mm²** | | | | | | | | | |
|  8WH1 000-0AM00 | **Through-type terminals, terminal size 35 mm²**<br>• cULus<br>• CSA<br>• Terminal width 16 mm<br>• $I_{max}$ = 150 A<br>• $U_{max}$ = 1000 V<br>• AWG 16-1/0<br>• Connection capacity, one conductor<br>- Rigid, 1.5 ... 50 mm²<br>- Flexible, 1.5 ... 50 mm²<br>• Connection capacity, two conductors<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>• Enclosed at both ends | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AM00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH1 000-0AM01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Reducing combs, for connecting terminals, from terminal size 35 mm² to 2.5 or 4 mm²* | | | | | | | | |
| | - *From screw to screw* | *Accessories* | 10/41 | C | **8WH9 002-8GC10** | | 1 | 10 | 044 |
| | - *From screw to spring* | *dto.* | 10/41 | C | **8WH9 002-8HC10** | | 1 | 10 | 044 |
| | • *Warning covers, for terminal size 35 mm²* | *dto.* | 10/41 | C | **8WH9 067-5BA06** | | 100 | 50 | 044 |
|  8WH1 000-0CM07 | **Through-type PE terminals, terminal size 35 mm²**<br>• cULus<br>• CSA<br>• Terminal width 16 mm<br>• AWG 16-2<br>• Connection capacity, one conductor<br>- Rigid, 1.5 ... 35 mm²<br>- Flexible, 1.5 ... 35 mm²<br>• Connection capacity, two conductors<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>• Enclosed at both ends<br>• Green-yellow | | | C | **8WH1 000-0CM07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Warning covers, for terminal size 35 mm²* | *Accessories* | 10/41 | C | **8WH9 067-5BA06** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-1PA00 | **Covers, for through-type terminals**<br>• 2.2 mm wide<br>• Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 to 10 mm² | | | C | **8WH9 000-1PA00** | | 100 | 50 | 044 |
| | • For terminal size 16 mm² | | | C | **8WH9 076-1PA00** | | 100 | 50 | 044 |

10

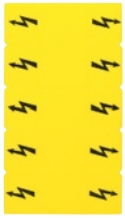
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals


8WH9 002-8AC10


8WH9 066-5BA06

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Reducing combs, for connecting terminals** | | | | | | |
| Versions | | | | | | |
| • From terminal size 6 mm² to 2.5 or 4 mm² | | | | | | |
| - From screw to screw | C | **8WH9 002-8AC10** | | 1 | 10 | 044 |
| - From screw to spring | C | **8WH9 002-8BC10** | | 1 | 10 | 044 |
| • From terminal size 10 mm² to 2.5 or 4 mm² | | | | | | |
| - From screw to screw | C | **8WH9 002-8CC10** | | 1 | 10 | 044 |
| - From screw to spring | C | **8WH9 002-8DC10** | | 1 | 10 | 044 |
| • From terminal size 16 mm² to 2.5 or 4 mm² | | | | | | |
| - From screw to screw | C | **8WH9 002-8EC10** | | 1 | 10 | 044 |
| - From screw to spring | C | **8WH9 002-8FC10** | | 1 | 10 | 044 |
| • From terminal size 35 mm² to 2.5 or 4 mm² | | | | | | |
| - From screw to screw | C | **8WH9 002-8GC10** | | 1 | 10 | 044 |
| - From screw to spring | C | **8WH9 002-8HC10** | | 1 | 10 | 044 |
| **Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | C | **8WH9 070-6BA00** | | 100 | 50 | 044 |
| **Warning covers**<br>• Lightning motif<br>• Yellow | | | | | | |
| Versions | | | | | | |
| • For terminal size 2.5 mm², width 5.2 mm | C | **8WH9 060-5BA06** | | 100 | 50 | 044 |
| • For terminal size 4 mm², width 6.2 mm | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |
| • For terminal size 6 mm², width 8.2 mm | C | **8WH9 064-5BA06** | | 100 | 50 | 044 |
| • For terminal size 10 mm², width 10.2 mm | C | **8WH9 065-5BA06** | | 100 | 50 | 044 |
| • For terminal size 16 mm², width 12.2 mm | C | **8WH9 066-5BA06** | | 100 | 50 | 044 |
| • For terminal size 35 mm², width 16 mm | C | **8WH9 067-5BA06** | | 100 | 50 | 044 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH fuse terminals

### Overview



Die 8WH fuse terminals adopt the function of the fuse holders for 5 x 20 mm and 6.3 x 32 mm G fuse links and potential distribution tasks with the bridge slot.

### Technical specifications

| | 8WH1 000-1GG08 | 8WH1 000-1KG38 | 8WH1 000-1MG88 | 8WH1 000-1HH08 | 8WH1 000-1PH38 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 6.2 / 57.8 / -- | | | 8.2 / 57.8 / -- | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 73 / 80.5 | | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A[1] / cross-section in mm² | 6.3 / 6 | | | 10 / 10 | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 | 4 kV/3 | | 8 kV/3 | 6 kV/3 |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 | | | 630 | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | | | 0.25 ... 6 | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | | | 0.25 ... 6 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 | | | 0.5 ... 4 | |
| • Rigid in mm² | 0.14 ... 6 | | | 0.2 ... 10 | |
| Stripped length in mm | 9 | | | 10 | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 600 / 6.3 / 26-10 | | | 600 / 16 / 24-8 | |
| - CSA: in V/A / AWG | 600 / 6.3 / 26-10 | | | -- / -- / -- | |

[1] Please observe the maximum power loss.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WH1 000-1GG08 | **Fuse terminals, terminal size 4 mm², for 5 x 20 mm G fuse links**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• $I_{max}$ = 6.3 A<br>• $U_{max}$ = 500 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Enclosed at both ends<br>• Black | | | | | | |
| | Versions | | | | | | |
| | • Without LED | C | **8WH1 000-1GG08** | | 1 | 50 | 044 |
| | • With LED 10 ... 30 V AC/DC | C | **8WH1 000-1KG38** | | 1 | 50 | 044 |
| | • With LED 110 ... 250 V AC/DC | C | **8WH1 000-1MG88** | | 1 | 50 | 044 |
| **Terminal size 6 mm²** | | | | | | | |
|  8WH1 000-1HH08 | **Fuse terminals, terminal size 6 mm², for 6.3 x 32 mm G fuse links**<br>• c UL us<br>• Terminal width 8.2 mm<br>• $I_{max}$ = 10 A<br>• $U_{max}$ = 630 V<br>• AWG 24-8<br>• Connection capacity, one conductor<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 10 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.2 ... 2.5 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>• Enclosed at both ends<br>• Black | | | | | | |
| | Versions | | | | | | |
| | • Without LED | C | **8WH1 000-1HH08** | | 1 | 50 | 044 |
| | • With LED 12 ... 30 V AC/DC | C | **8WH1 000-1PH38** | | 1 | 50 | 044 |
| | Accessories — Section — Page | | | | | | |
| | *Reducing combs, for connecting terminals, from terminal size 6 mm² to 2.5 or 4 mm², from screw to screw* — *Accessories* — 10/43 | C | **8WH9 002-8AC10** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 002-8AC10 | **Reducing combs, for connecting terminals, from terminal size 6 mm² to 2.5 or 4 mm², from screw to screw** | C | **8WH9 002-8AC10** | | 1 | 10 | 044 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH isolating blade terminals

### Overview

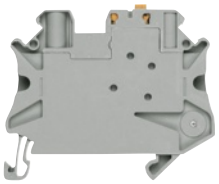


Key features of the 8WH isolating blade terminals are their compact design and high current carrying capacity of 20 A. They can be bridged with standard terminal jumpers over the bridge slot.

### Technical specifications

| | 8WH1 000-6CG00 |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 6.2 / 57.8 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 49.1 / 56.6 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A / cross-section in mm² | 20 / 6 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 |
| • Overvoltage category / insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 |
| • Rigid in mm² | 0.14 ... 6 |
| Stripped length in mm | 9 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | 600 / 16 / 26-10 |
| - CSA: in V/A / AWG | 600 / 16 / 26-10 |

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WH1 000-6CG00 | **Isolating blade terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 32 A<br>• $U_{max}$ = 1000 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 4 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Enclosed at both ends<br>• Gray | C | **8WH1 000-6CG00** | | 1 | 50 | 044 |
| | Accessories / Section / Page | | | | | | |
| | *• Warning covers, for terminal size 4 mm²* / *Accessories* / 10/44 | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | |
| | **Warning covers, for terminal size 4 mm²**<br>• Lightning motif<br>• Width 6.2 mm<br>• Yellow | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

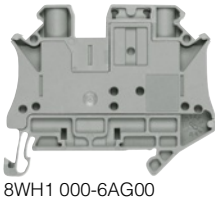


8WH isolating terminals serve for mounting various function plugs.

## Technical specifications

| | 8WH1 000-6AG00 | 8WH1 000-6AH00 |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 6.2 / 57.8 / -- | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 49.1 / 56.6 | 73 / 80.5 |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A / cross-section in mm² | 20 / 6 | 20 / 10 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 | |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 | |
| • Overvoltage category / insulating group | III / I | |
| Connection capacities | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | 0.26 ... 6 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | 0.26 ... 6 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 | 0.5 ... 4 |
| • Rigid in mm² | 0.14 ... 6 | 0.2 ... 10 |
| Stripped length in mm | 9 | 10 |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 16 / 26-10 | -- / -- / -- |
| - CSA: in V/A / AWG | 600 / 16 / 26-10 | -- / -- / -- |

## Selection and ordering data

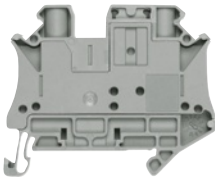
| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WH1 000-6AG00 | **Isolating terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• $I_{max}$ = 20 A<br>• $U_{max}$ = 400 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Enclosed at both ends<br>• Gray | C | **8WH1 000-6AG00** | | 1 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

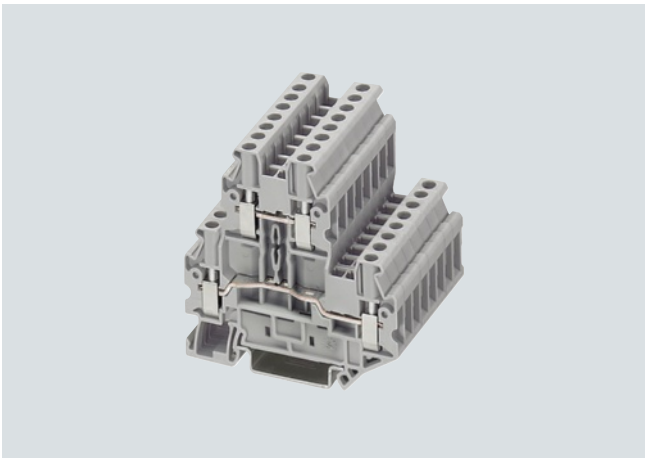


## 8WH isolating terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 6 mm²** | | | | | | | |
|  8WH1 000-6AH00 | **Isolating terminals, terminal size 6 mm²**<br>• c UL us<br>• Terminal width 8.2 mm<br>• $I_{max}$ = 20 A<br>• $U_{max}$ = 500 V<br>• AWG 24-8<br>• Connection capacity, one conductor<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 10 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.2 ... 2.5 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>• Enclosed at both ends<br>• Gray | C | **8WH1 000-6AH00** | | 1 | 50 | 044 |

## 8WH two-tier terminals

### Overview



The compact 8WH two-tier terminal is available in the nominal cross-sections 2.5 and 4 mm². With the potentials routed in a 5.2 mm or 6.2 mm grid through two tiers, the compact two-tier terminals require 50 % less space in the control cabinet. Two integral bridge slots are also available here and two facilities for large inscriptions on all terminals.

With 8WH1 025 two-tier terminals the upper and lower level are connected.

The offsetting of the tiers on the 8WH two-tier terminals allows for excellent access to the lower level, even when fully wired. Spacer plates can be used to compensate for the tier offset if other terminals are mounted.

### Technical specifications

| | 8WH1 020-0AF00<br>8WH1 020-0AF01 | 8WH1 020-0AG00<br>8WH1 020-0AG01 | 8WH1 020-0CF07 | 8WH1 020-0CG07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | <br>5.2 / 69.9 / 2.2<br>65 / 72.5 | <br>6.2 / 69.9 / 2.2 | <br>5.2 / 69.9 / 2.2 | <br>6.2 / 69.9 / 2.2 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1<br>• Overvoltage category / insulating group | <br>28 / 4<br>6 kV/3<br>500<br><br>III / I | <br>36 / 6<br>8 kV/3<br>800 | <br>-- / 4<br><br>-- | <br>-- / 6 |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm²<br>• Rigid in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 ... 1.5<br><br>0.14 ... 4 | <br>0.25 ... 4<br>0.25 ... 4<br>0.5 ... 2.5<br><br>0.14 ... 6 | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 ... 1.5<br><br>0.14 ... 4 | <br>0.25 ... 4<br>0.25 ... 4<br>0.5 ... 2.5<br><br>0.14 ... 6 |
| Stripped length in mm | 9 | | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>600 / 20 / 26-12<br>-- / -- / -- | <br><br>600 / 30 / 26-12 | <br><br>-- / -- / 26-12 | <br><br>-- / -- / 26-10 |

* You can order this quantity or a multiple thereof.

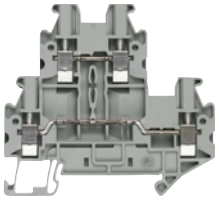
© Siemens AG 2010

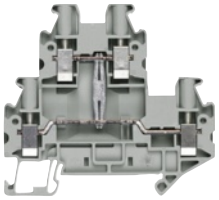


| | 8WH1 025-0AF00 | 8WH1 025-0AG00 |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 6.2 / 69.9 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 65 / 72.5 | |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A / cross-section in mm² | 28 / 4 | 36 / 6 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 | 8 kV/3 |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 | |
| • Overvoltage category / insulating group | III / I | |
| Connection capacities | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 1.5 | 0.5 ... 2.5 |
| • Rigid in mm² | 0.14 ... 4 | 0.14 ... 6 |
| Stripped length in mm | 9 | |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | 600 / 30 / 26-10 |
| - CSA: in V/A / AWG | -- / -- / -- | |

## Selection and ordering data

### Terminal size 2.5 mm²

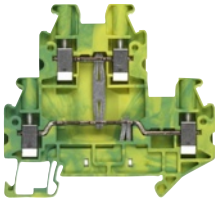

8WH1 020-0AF00


8WH1 025-0AF00

**Two-tier terminals, terminal size 2.5 mm²**
- c UL us
- CSA
- Terminal width 5.2 mm
- $I_{max}$ = 28 A
- $U_{max}$ = 500 V
- AWG 26-12
- Connection capacity, one conductor
  - Rigid, 0.14 ... 4 mm²
  - Flexible, 0.14 ... 4 mm²
- Connection capacity, two conductors
  - Rigid, 0.14 ... 1.5 mm²
  - Flexible, 0.14 ... 1.5 mm²

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Gray | | | | | | |
| - Without equipotential bonding | C | **8WH1 020-0AF00** | | 1 | 50 | 044 |
| - With equipotential bonding | C | **8WH1 025-0AF00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Without equipotential bonding | C | **8WH1 020-0AF01** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *Accessories* | 10/48 | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
| • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
| • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |


8WH1 020-0CF07

**PE two-tier terminals, terminal size 2.5 mm²** — C — **8WH1 020-0CF07** — 1 — 50 — 044
- c UL us
- CSA
- Terminal width 5.2 mm
- AWG 26-12
- Connection capacity, one conductor
  - Rigid, 0.14 ... 4 mm²
  - Flexible, 0.14 ... 4 mm²
- Connection capacity, two conductors
  - Rigid, 0.14 ... 1.5 mm²
  - Flexible, 0.14 ... 1.5 mm²
- Green-yellow

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *Accessories* | 10/48 | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
| • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
| • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |

10

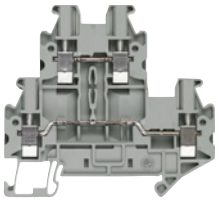
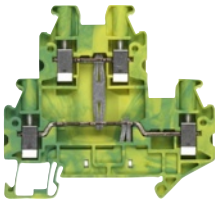
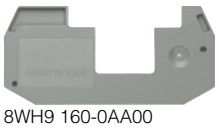
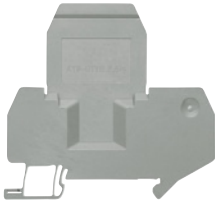
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH two-tier terminals



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH1 020-0AG00 | **Two-tier terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• $I_{max}$ = 36 A<br>• $U_{max}$ = 800 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | | | | | | |
| | - Without equipotential bonding | | | C | **8WH1 020-0AG00** | | 1 | 50 | 044 |
| | - With equipotential bonding | | | C | **8WH1 025-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | | | | | | |
| | - Without equipotential bonding | | | C | **8WH1 020-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *Accessories* | 10/48 | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
| | • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |
|  8WH1 020-0CG07 | **PE two-tier terminals, terminal size 4 mm²**<br>• c UL us<br>• CSA<br>• Terminal width 6.2 mm<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• Green-yellow | | | C | **8WH1 020-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *Accessories* | 10/48 | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
| | • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* | *dto.* | 10/48 | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-1QA00 | **Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Width 2.2 mm<br>• Gray | | | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
|  8WH9 160-0AA00 | **Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Compensates for tier offset if other terminals are mounted<br>• 2.5 mm thick<br>• Gray | | | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
|  8WH9 070-6FA00 | **Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | | | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# 8WH two-tier terminals with isolating function/isolating blade

## Overview



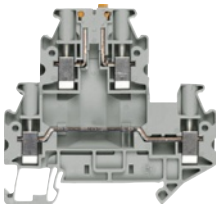
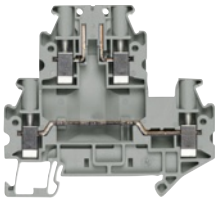
Two-tier terminals with isolating function/isolating blade are also available with the same contour as 8WH two-tier terminals. An increasing number of contact points need to be wired in the same space in the signal wiring. The two voltage levels routed through two separate tiers require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, particularly in MSR technology, an isolating blade or isolating plug, and a component plug or a fused plug for 5 x 20 mm glass tube fuses, can be used alternatively in the standardized separation zone in the upper level. The looping of measuring instruments is possible over the terminal screws with integrated test socket so that rated and current measurements can be performed on both tiers without interruption. The tier offset makes access to the lower tier much easier.

## Technical specifications

| | 8WH1 020-6AC00 | 8WH1 020-6AG00 |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 6.2 / 69.9 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 65 / 72.5 | |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A / cross-section in mm² | 38[1] / 6 | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 | |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 | |
| • Overvoltage category / insulating group | III / I | |
| Connection capacities | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 | |
| • Rigid in mm² | 0.14 ... 6 | |
| Stripped length in mm | 9 | |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 5 / 26-10 | |
| - CSA: in V/A / AWG | -- / -- / -- | |

[1] Lower tier.

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WH1 020-6AC00 | **Two-tier terminal, with isolating function/isolating blade, terminal size 4 mm²**<br>• c UL us<br>• <br>• Terminal width 6.2 mm<br>• $I_{max}$ = 38 A<br>• $U_{max}$ = 500 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm² | | | | | | |
| | Versions | | | | | | |
| | • Isolating link on the top level | C | **8WH1 020-6AC00** | | 1 | 50 | 044 |
| | • Isolating terminal on the top level | C | **8WH1 020-6AG00** | | 1 | 50 | 044 |
|  8WH1 020-6AG00 | | | | | | | |

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *Accessories* | 10/50 | C | **8WH9 000-1QA00** | 100 | 50 | 044 |
| • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* | *dto.* | 10/50 | C | **8WH9 160-0AA00** | 100 | 50 | 044 |
| • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* | *dto.* | 10/50 | C | **8WH9 070-6FA00** | 100 | 50 | 044 |

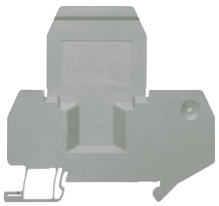
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH two-tier terminals with isolating function

NEW

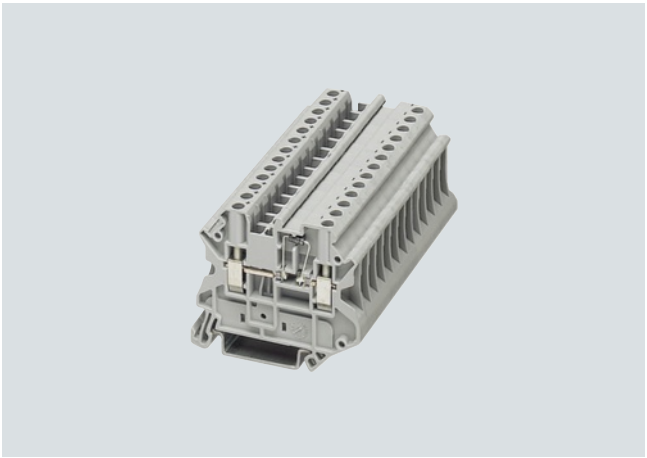
| | Version | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|
| | | | | | Unit(s) | Unit(s) | |
| **Accessories** | | | | | | | |
|  8WH9 000-1QA00 | **Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Width 2.2 mm<br>• Gray | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
|  8WH9 160-0AA00 | **Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Compensates for tier offset if other terminals are mounted<br>• 2.5 mm thick<br>• Gray | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
|  8WH9 070-6FA00 | **Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |

10

## 8WH diode terminals

NEW

### Overview



8WH diode terminals can be used to implement many different switching tasks. The 1N 4007 diode is soldered in from left to right or vice versa as required. The double bridge slot allows for combination with all standard and function terminals. The 8WH diode terminals have the same contour as the 8WH isolating, isolating blade and fuse terminals. This has the advantage of enabling consistent inscriptions on all clamping points. Secure electrical and mechanical contact with the support rail is assured by simply snapping the terminals onto the rail.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

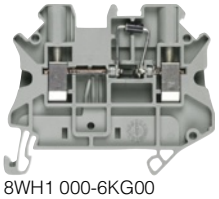


## Technical specifications

| | 8WH1 000-6KG00 | 8WH1 000-6LG00 |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 6.2 / 57.8 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 47.5 / 55 | |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A[1] / cross-section in mm² | -- / 6 | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 kV/3 | |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 800 | |
| • Overvoltage category / insulating group | III / I | |
| Connection capacities | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 | |
| • Rigid in mm² | 0.14 ... 6 | |
| Stripped length in mm | 9 | |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 1 / 26-10 | 600 / 1 / 26-10 |
| - CSA: in V/A / AWG | 600 / 1 / 26-10 | 600 / 1 / 26-10 |

[1] Maximum current determined by diode
Integrated: Diode 1N 4007, blocking voltage:1300 V
Max. current: 0.5 A

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | |
|  8WH1 000-6KG00 | **Diode terminals, terminal size 4mm²**<br>• c UL us<br>• <br>• Terminal width 6.2 mm<br>• $I_{max}$ = 0.5 A<br>• $U_{max}$ = 800 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• With integrated diode: 1N 4007<br>• Gray | | | | | | |
| | Versions | | | | | | |
| | • Let-through from left to right | C | **8WH1 000-6LG00** | | 1 | 50 | 044 |
| | • Let-through from right to left | C | **8WH1 000-6KG00** | | 1 | 50 | 044 |
| | Accessories — Section — Page | | | | | | |
| | • *Covers, for diode terminals, for terminal size 2.5 ... 4 mm²* — *Accessories* — 10/51 | C | **8WH9 000-2PA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 4 mm²* — *dto.* — 10/51 | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 000-2PA00 | **Covers, for diode terminals, for terminal size 2.5 ... 4 mm²**<br>• Width 2.2 mm<br>• Gray | C | **8WH9 000-2PA00** | | 100 | 50 | 044 |
| | **Warning covers, for terminal size 4 mm²**<br>• Lightning motif<br>• Yellow | C | **8WH9 063-5BA06** | | 100 | 50 | 044 |

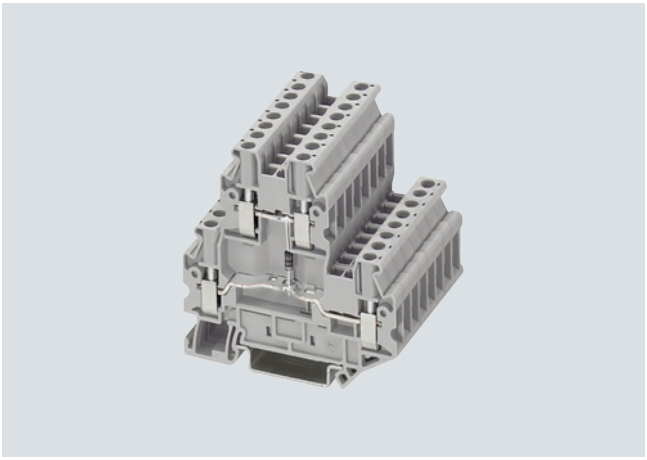
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH two-tier diode terminals

### Overview



8WH two-tier diode terminals with a width of only 5.2 mm can be used for a wide range of switching tasks. This makes the following possible in the smallest of spaces:

- Freewheel diode circuits
- Lamp test circuits
- Signaling and fault signaling circuits

### Technical specifications

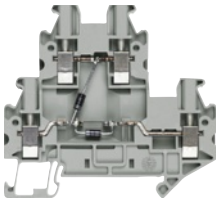
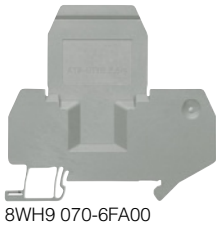
| | 8WH1 020-5AF00 | 8WH1 020-5BF00 | 8WH1 020-5DF00 | 8WH1 020-5FF00 | 8WH1 020-5HF00 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 69.9 / 2.2 | | | | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 65 / 72.5 | | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A[1] / cross-section in mm² | 28 / 4 | | | | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 kV/3 | | | | |
| • Rated insulation voltage (working voltage) $U_i$ in V acc. to IEC 60497-7-1 | 500 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 1.5 | | | | |
| • Rigid in mm² | 0.14 ... 4 | | | | |
| Stripped length in mm | 9 | | | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | -- / -- / -- | | | | |
| - CSA: in V/A / AWG | -- / -- / -- | | | | |

[1] Maximum current determined by diode
Integrated: Diode 1N 4007, blocking voltage:1300 V
Max. current: 0.5 A

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | |
|  8WH1 020-5FF00 | **Two-tier diode terminals, terminal size 2.5mm²**<br>• c UL us<br>• <br>• Terminal width 6.2 mm<br>• $I_{max}$ = 0.5 A<br>• $U_{max}$ = 800 V<br>• AWG 26-10<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 6 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>• With integrated diode: 1N 4007<br>• Gray | | | | | | |
| | Versions | | | | | | |
| | • With integrated 1N 4007 diode | | | | | | |
| | - Let-through from top to bottom | C | **8WH1 020-5AF00** | | 1 | 50 | 044 |
| | - Let-through from bottom to top | C | **8WH1 020-5BF00** | | 1 | 50 | 044 |
| | - Let-through from bottom left to bottom right | C | **8WH1 020-5DF00** | | 1 | 50 | 044 |
| | • With two integrated 1N 4007 diodes | | | | | | |
| | - Let-through from top to bottom left and from bottom right to bottom left | C | **8WH1 020-5FF00** | | 1 | 50 | 044 |
| | - Let-through from top to bottom left and from top to bottom right | C | **8WH1 020-5HF00** | | 1 | 50 | 044 |
| | Accessories — Section — Page | | | | | | |
| | • *Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²* — *Accessories* — 10/53 | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
| | • *Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²* — *dto.* — 10/53 | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²* — *dto.* — 10/53 | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 000-1QA00 | **Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Width 2.2 mm<br>• Gray | C | **8WH9 000-1QA00** | | 100 | 50 | 044 |
|  8WH9 160-0AA00 | **Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²**<br>• Compensates for tier offset if other terminals are mounted<br>• 2.5 mm thick<br>• Gray | C | **8WH9 160-0AA00** | | 100 | 50 | 044 |
|  8WH9 070-6FA00 | **Compartment partitions, for two-tier terminals for terminal size 2.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | C | **8WH9 070-6FA00** | | 100 | 50 | 044 |

10

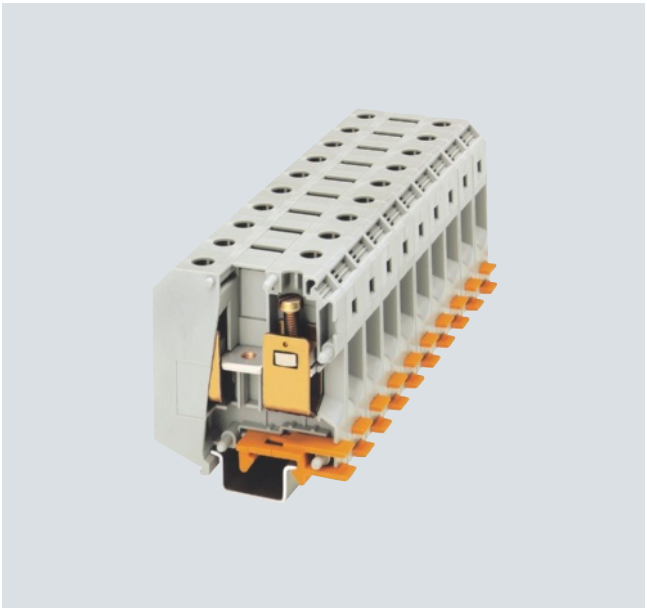
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH high-current terminals

### Overview



The high-current terminals cover cross-sectional areas from 16 to 240 mm². A reliable cable connection is ensured through effective design measures, such as:

- Three-point centering of the conductor in the prismatic sleeve base
- Low contact resistance of the contact area through grooved surface
- Screw locking through spring-loaded elements
- Terminals enclosed at both ends.

The terminals have an insulating enclosure made of polyamide 6.6.

The terminals are available in gray and blue.

8WH labeling plates must be used for inscription purposes.

For terminals with terminal sizes up to 95 mm², green-yellow PE terminals are available.

Mounting on support rails according to IEC 60715.

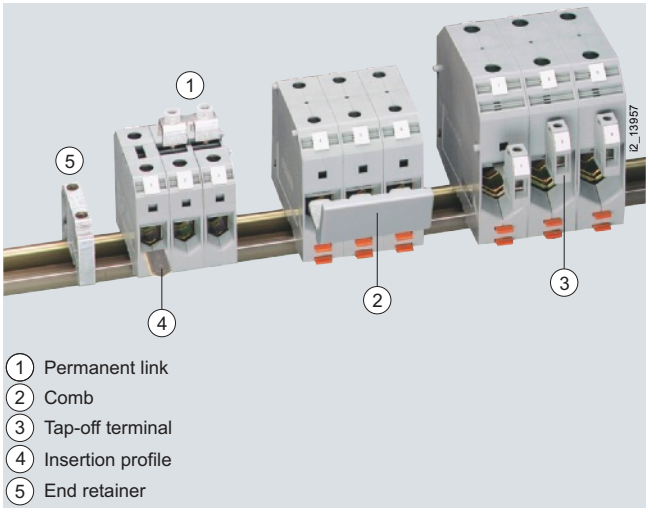
Note: For flat terminals with terminal bolts, see section *Flat terminals*.

### Benefits

- Larger connection up to 240 mm²
- The right terminal is always available - whatever the connection functions
- Simple inscription using 8WH standard
- Comprehensive range of accessories available
- Enclosed insulating body made of polyamide 6.6



### Design




1 Permanent link
2 Comb
3 Tap-off terminal
4 Insertion profile
5 End retainer

Assembled terminal blocks

Using the 50 mm² terminals, permanent links can be mounted in 2 and 3-pole versions. Combs are required with 95 to 240 mm² terminals.

© Siemens AG 2010



## Technical specifications

| | 8WH1 000-0AN00<br>8WH1 000-0AN01 | 8WH1 000-0CN07 | 8WH1 000-0AQ00<br>8WH1 000-0AQ01 |
|---|---|---|---|
| Dimensions | | | |
| • Width/length in mm | 20 / 70.5 | | 25 / 83 |
| • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm | -- / 83.5 / 81.5 | | -- / 97.5 / 95.5 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 150 / 50 | | 232 / 95 |
| • Max. cross-section with comb (rigid/flexible) in mm² | -- | | 95 / 70 |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | |
| • Overvoltage category / insulating group | III / I | | |
| Connection capacities | | | |
| • Flexible with end sleeve with/without plastic sleeve in mm² | 25 ... 50 / 25 ... 50 | | 35 ... 95 / 35 ... 95 |
| Multi-conductor connection (two conductors of same cross-section) | | | |
| • Rigid/flexible in mm² | 10 ... 16 / 10 ... 16 | | 25 ... 35 / 25 ... 35 |
| • Flexible without end sleeve with plastic sleeve in mm² | 10 ... 16 | | 16 ... 35 |
| Stripped length in mm | 24 | | 33 |
| Plug gage (IEC 60947-1) | B10 | | B12 |
| Screw thread | M 6 | -- | M 8 |
| Tightening torque in Nm | 6 ... 8 | -- | 15 ...20 |
| Clamping point: screw thread / tightening torque in Nm | -- | M 6 / 6 ... 8 | -- |
| Fixing: screw thread / tightening torque in Nm | -- | M 6 / 6 ... 8 | -- |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: V / A / AWG | 600 / 150 / 6 - 0 | 6 - 1 / 0 | 600 / 230 / 2 - 000 |
| - CSA: V / A / AWG | 600 / 125 / 6 - 0 | -- | 600 / 230 / 1 - 000 |
| Support rails/protective conductor busbars | -- | See section *8WA support rails / protective conductor busbars* | -- |

| | 8WH1 000-0CQ07 | 8WH1 000-0AS00<br>8WH1 000-0AS01 | 8WH1 000-0AU00<br>8WH1 000-0AU01 |
|---|---|---|---|
| Dimensions | | | |
| • Width/length in mm | 25 / 83 | 31 / 100 | 36 / 100 |
| • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm | -- / 99 / 96.5 | -- / 118.5 / 116 | -- / 131.5 / 129.5 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 232 / 95 | 309 / 150 | 415 / 240 |
| • Max. cross-section with comb (rigid/flexible) in mm² | -- | 150 / 120 | 240 / 185 |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | |
| • Overvoltage category / insulating group | III / I | | |
| Connection capacities | | | |
| • Flexible with end sleeve with/without plastic sleeve in mm² | | 50 ... 150 / 50 ... 150 | 70 ... 185 / 70 ... 185 |
| Multi-conductor connection (two conductors of same cross-section) | | | |
| • Rigid/flexible in mm² | 25 ... 35 / 25 ... 35 | 25 ... 50 / 35 ... 50 | 35 ... 95 / 50...95 |
| • Flexible without end sleeve with plastic sleeve in mm² | 16 ... 35 | 25 ... 50 | 35 ... 50 |
| Stripped length in mm | 30 | 40 | |
| Plug gage (IEC 60947-1) | B12 | B14 | B15 |
| Screw thread | -- | M 10 | |
| Tightening torque in Nm | -- | 25 ... 30 | |
| Clamping point: screw thread / tightening torque in Nm | M8 / 15 ...20 (hexagon socket-head screw) | -- | -- |
| Fixing: screw thread / tightening torque in Nm | M8 / 15 ...20 (hexagon socket-head screw) | -- | -- |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: V / A / AWG | 2 ... 4 / 0 | 600 / 285 / 2 AWG - 300 kcmil | 600 / 380 / 00 - 500 kcmil |
| - CSA: V / A / AWG | 2 ... 4 / 0 | 600 / 275 / 2 AWG - 300 kcmil | 600 / 400 / 0 - 500 kcmil |
| Support rails/protective conductor busbars | See section *8WA support rails / Protective conductor busbars* | -- | |

© Siemens AG 2010



## 8WH high-current terminals

### Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 50 mm²** | | | | | | | | |
|  8WH1 000-0AN00 | | | | | | | | |
| **High-current terminals, terminal size 50 mm²**<br>• Enclosed at both ends<br>• Terminal width 20 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 16 ... 50 mm²<br>- Flexible, 25 ... 50 mm²<br>- AWG 6-0<br>- *I* = 150 A<br>- *U* = 1000 V<br>• EN 50019<br>- Rigid, 16 ... 50 mm²<br>- Flexible, 25 ... 50 mm²<br>- AWG 6-0<br>- *I* = 135 A<br>- *U* = 750 V | | | | | | | | |
| Versions | | | | | | | | |
| • Gray | | | C | **8WH1 000-0AN00** | | 1 | 10 | 044 |
| • Blue | | | C | **8WH1 000-0AN01** | | 1 | 10 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Tap-off terminals, for terminal size 50 mm²* | *Accessories* | 10/58 | C | **8WH9 120-0AA00** | | 1 | 10 | 044 |
| • *Insertion profiles, for terminal size 50 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3MA00** | | 1 | 10 | 044 |
| • *Permanent links, for terminal size 50 mm²* | | | | | | | | |
| - *2-pole* | *Accessories* | 10/58 | C | **8WH9 020-6HC00** | | 1 | 10 | 044 |
| - *3-pole* | *Accessories* | 10/58 | C | **8WH9 020-6HD00** | | 1 | 10 | 044 |
|  8WH1 000-0CN07 | | | | | | | | |
| **High-current PE terminals, terminal size 50 mm²**<br>• Green-yellow<br>• Enclosed at both ends<br>• Terminal width 20 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 16 ... 50 mm²<br>- Flexible, 25 ... 50 mm²<br>- AWG 6-0<br>- *I* = 150 A<br>- *U* = 1000 V<br>• EN 50019<br>- Rigid, 16 ... 50 mm²<br>- Flexible, 25 ... 50 mm²<br>- AWG 6-0<br>- *I* = 135 A<br>- *U* = 750 V | | | C | **8WH1 000-0CN07** | | 1 | 10 | 044 |
| Accessories | Section | Page | | | | | | |
| *Insertion profiles, for terminal size 50 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3MA00** | | 1 | 10 | 044 |
| **Terminal size 95 mm²** | | | | | | | | |
|  8WH1 000-0AQ00 | | | | | | | | |
| **High-current terminals, terminal size 95 mm²**<br>• Enclosed at both ends<br>• Terminal width 25 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 25 ... 95 mm²<br>- Flexible, 35 ... 95 mm²<br>- AWG 4-000<br>- *I* = 232 A<br>- *U* = 1000 V | | | | | | | | |
| Versions | | | | | | | | |
| • Gray | | | C | **8WH1 000-0AQ00** | | 1 | 10 | 044 |
| • Blue | | | C | **8WH1 000-0AQ01** | | 1 | 10 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Tap-off terminals, for terminal size 95 mm²* | *Accessories* | 10/58 | C | **8WH9 120-0BA00** | | 1 | 10 | 044 |
| • *Combs, for terminal size 95 mm²* | | | | | | | | |
| - *2-pole* | *Accessories* | 10/58 | C | **8WH9 020-3AA00** | | 1 | 10 | 044 |
| - *3-pole* | *Accessories* | 10/58 | C | **8WH9 020-3BA00** | | 1 | 10 | 044 |
| • *Insertion profiles, for terminal size 95 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3NA00** | | 1 | 10 | 044 |

10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH1 000-0CQ07 | **High-current PE terminals, terminal size 95 mm²**<br>• Green-yellow<br>• Enclosed at both ends<br>• Terminal width 25 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 25 ... 95 mm²<br>- Flexible, 35 ... 95 mm²<br>- AWG 4-000<br>- $I$ = 232 A<br>- $U$ = 1000 V | | | C | **8WH1 000-0CQ07** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Insertion profiles, for terminal size 95 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3NA00** | | 1 | 10 | 044 |
|  8WA1 010-1PQ00 | **High-current PE terminals and high-current PEN terminals, terminal size 95 mm², two screw terminals**<br>• Bare<br>• For $I$ = 232 A<br>• Mounting width 16 mm<br>• Terminal height 63 mm<br>• Terminal length 75 mm<br>• For 35 mm x 15 mm standard mounting rail only | | | C | **8WA1 010-1PQ00** | | 1 | 5 | 041 |
| | Note | | | | | | | | |
| | 8WH accessories do not match this terminal. | | | | | | | | |
| **Terminal size 150 mm²** | | | | | | | | | |
|  8WH1 000-0AS00 | **High-current terminals, terminal size 150 mm²**<br>• Enclosed at both ends<br>• Terminal width 31 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 35 ... 150 mm²<br>- Flexible, 50 ... 150 mm²<br>- AWG 2-300<br>- $I$ = 309 A<br>- $U$ = 1000 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AS00** | | 1 | 10 | 044 |
| | • Blue | | | C | **8WH1 000-0AS01** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Tap-off terminals, for terminal size 150 ... 240 mm²* | *Accessories* | 10/58 | C | **8WH9 120-0CA00** | | 1 | 10 | 044 |
| | • *Combs, for terminal size 150 mm²* | | | | | | | | |
| | - *2-pole* | *Accessories* | 10/58 | C | **8WH9 020-3CA00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* | 10/58 | C | **8WH9 020-3DA00** | | 1 | 10 | 044 |
| | • *Insertion profiles, for terminal size 150 and 240 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3PA00** | | 1 | 10 | 044 |
| **Terminal size 240 mm²** | | | | | | | | | |
|  8WH1 000-0AU00 | **High-current terminals, terminal size 240 mm²**<br>• Enclosed at both ends<br>• Terminal width 36 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 70 ... 240 mm²<br>- Flexible, 70 ... 240 mm²<br>- AWG 00-500<br>- $I$ = 415 A<br>- $U$ = 1000 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH1 000-0AU00** | | 1 | 10 | 044 |
| | • Blue | | | C | **8WH1 000-0AU01** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Tap-off terminals, for terminal size 150 ... 240 mm²* | *Accessories* | 10/58 | C | **8WH9 120-0CA00** | | 1 | 10 | 044 |
| | • *Combs, for terminal size 240 mm²* | | | | | | | | |
| | - *2-pole* | *Accessories* | 10/58 | C | **8WH9 020-3EA00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* | 10/58 | C | **8WH9 020-3FA00** | | 1 | 10 | 044 |
| | • *Insertion profiles, for terminal size 150 and 240 mm²* | *Accessories* | 10/58 | C | **8WH9 020-3PA00** | | 1 | 10 | 044 |



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH high-current terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 120-0AA00 | **Tap-off terminals**<br>• When wiring a pick-off with a smaller cross-section, always take into account the overload and short-circuit strength specified in VDE 0100 Part 430<br>• $I_{max}$: 57 A<br>• Cross-section: 10 mm$^2$<br>Versions | | | | | | |
| | • For terminal size 50 mm$^2$ | C | **8WH9 120-0AA00** | | 1 | 10 | 044 |
| | • For terminal size 95 mm$^2$ | C | **8WH9 120-0BA00** | | 1 | 10 | 044 |
| | • For terminal sizes 150 ... 240 mm$^2$ | C | **8WH9 120-0CA00** | | 1 | 10 | 044 |
|  8WH9 020-3AA00 | **Combs**<br>• Totally insulated<br>• Fitted in the clamping sleeve and latched with the terminal enclosure<br>Versions | | | | | | |
| | • For terminal size 95 mm$^2$, $I_{max}$: 232 A | | | | | | |
| | - 2-pole | C | **8WH9 020-3AA00** | | 1 | 10 | 044 |
| | - 3-pole | C | **8WH9 020-3BA00** | | 1 | 10 | 044 |
| | • For terminal size 150 mm$^2$, $I_{max}$: 232 A | | | | | | |
| | - 2-pole | C | **8WH9 020-3CA00** | | 1 | 10 | 044 |
| | - 3-pole | C | **8WH9 020-3DA00** | | 1 | 10 | 044 |
| | • For terminal size 240 mm$^2$, $I_{max}$: 320 A | | | | | | |
| | - 2-pole | C | **8WH9 020-3EA00** | | 1 | 10 | 044 |
| | - 3-pole | C | **8WH9 020-3FA00** | | 1 | 10 | 044 |
|  8WH9 020-3MA00 | **Insertion profiles**<br>Evens out the prismatic sleeve base when using flat conductors<br>Versions | | | | | | |
| | • For terminal size 50 mm$^2$ | C | **8WH9 020-3MA00** | | 1 | 10 | 044 |
| | • For terminal size 95 mm$^2$ | C | **8WH9 020-3NA00** | | 1 | 10 | 044 |
| | • For terminal size 150 and 240 mm$^2$ | C | **8WH9 020-3PA00** | | 1 | 10 | 044 |
|  8WH9 020-6HC00 | **Permanent links, for terminal size 50 mm$^2$**<br>• For cross links<br>• Screw heads with insulating collar<br>• Remove partition first<br>• $I_{max}$ = 150 A<br>Versions | | | | | | |
| | • 2-pole | C | **8WH9 020-6HC00** | | 1 | 10 | 044 |
| | • 3-pole | C | **8WH9 020-6HD00** | | 1 | 10 | 044 |

10

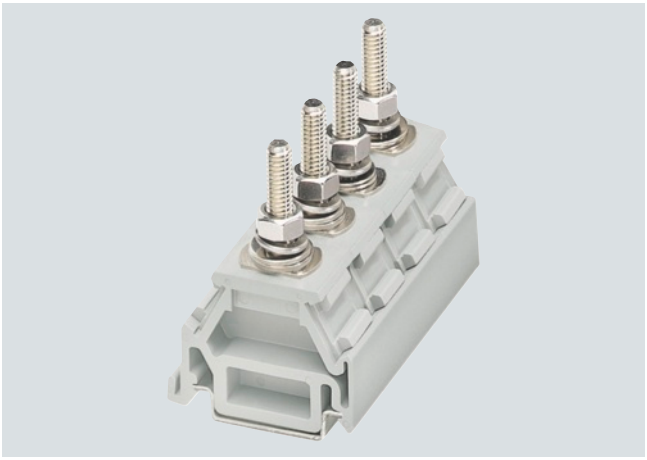


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



The bolt-type screw terminals complement the range of flat terminals. The bolt-type screw terminals for cable lugs according to DIN 46234 and DIN 46237 are available in M6, M8 and M10 versions. The screws are locked with spring washers. Large labels can be applied to the bolt on both sides of the support rail. A comprehensive range of accessories, such as the link rails for cross-linking, allow reliable, convenient wiring of the conductors.

The bolt can be labeled on both sides of the support rail with large clip-on labeling strips.

Mounting on support rails according to IEC 60715.

## Technical specifications

| | 8WH1 070-0AN00 | 8WH1 070-0AQ00 | 8WH1 070-0AS00 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / length of bolts in mm | 18.4 / 43.5 / 25 | 24.5 / 43.5 / 25 | 32.6 / 43.5 / 25 |
| • Height (TS 35/7.5) in mm | 59 | 59 / 66.5 | |
| • Height (TS 35/15) in mm | 66.5 | | |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | |
| • Overvoltage category / insulating group | III / II | | |
| Connection capacities | | | |
| • Cable lugs, DIN 46235 in mm² [1] | 6 ... 25 | 16 ... 25 | 16 ... 50 |
| Screw thread | M 6 | M 8 | M 10 |
| Tightening torque in Nm | 3 ... 7 | 6 ... 15 | 10 ... 18 |
| Insulation type | PC-GF | | |
| • Flammability class acc. to UL 94 | V0 | | |

[1] See also Table page 10/62.

## Selection and ordering data

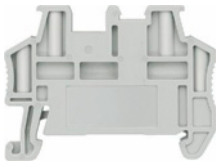
| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 50 mm²** | | | | | | | |
|  8WH1 070-0AN00 | **Bolt-type screw terminals, terminal size 50 mm²**<br>• Gray<br>• M6<br>• For mounting on support rail according to IEC 60715<br>• Terminal width 18.4 mm<br>• *I* = 150 A<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | C | **8WH1 070-0AN00** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | |
| • *Quick-fit end retainers* | *Accessories* | 10/60 | A | **8WH9 150-0CA00** | 1 | 50 | 044 |
| • *Links, for bolt-type screw terminals with terminal size 50 mm²* | | | | | | | |
| - *2-pole* | *Accessories* | 10/60 | B | **8WH9 030-5AC00** | 1 | 10 | 044 |
| - *3-pole* | *Accessories* | 10/60 | B | **8WH9 030-5AD00** | 1 | 10 | 044 |
| • Partitions | | | | | | | |
| - *For bolt-type screw terminals without jumper* | *Accessories* | 10/60 | B | **8WH9 070-3AA00** | 1 | 10 | 044 |
| - *For bolt-type screw terminals with jumper* | *Accessories* | 10/60 | B | **8WH9 070-3BA00** | 1 | 10 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH bolt-type screw terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 95 mm²** | | | | | | | | | |
|  8WH1 070-0AQ00 | **Bolt-type screw terminals, terminal size 95 mm²**<br>• Gray<br>• M8<br>• For mounting on support rail according to IEC 60715<br>• Terminal width 24.5 mm<br>• *I* = 232 A<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | | C | **8WH1 070-0AQ00** | | 1 | 25 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Quick-fit end retainers* | *Accessories* | 10/60 | A | **8WH9 150-0CA00** | | 1 | 50 | 044 |
| | • *Links, for bolt-type screw terminals with terminal size 95 mm²* | | | | | | | | |
| | - *2-pole* | *Accessories* | 10/60 | B | **8WH9 030-5BC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* | 10/60 | B | **8WH9 030-5BD00** | | 1 | 10 | 044 |
| | • Partitions | | | | | | | | |
| | - *For bolt-type screw terminals without jumper* | *Accessories* | 10/60 | B | **8WH9 070-3AA00** | | 1 | 10 | 044 |
| | - *For bolt-type screw terminals with jumper* | *Accessories* | 10/60 | B | **8WH9 070-3BA00** | | 1 | 10 | 044 |
| **Terminal size 150 mm²** | | | | | | | | | |
|  8WH1 070-0AS00 | **Bolt-type screw terminals, terminal size 150 mm²**<br>• Gray<br>• M10<br>• For mounting on support rail according to IEC 60715<br>• Terminal width 32.6 mm<br>• *I* = 309 A<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | | C | **8WH1 070-0AS00** | | 1 | 25 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Quick-fit end retainers* | *Accessories* | 10/60 | A | **8WH9 150-0CA00** | | 1 | 50 | 044 |
| | • *Links, for bolt-type screw terminals with terminal size 150 mm²* | | | | | | | | |
| | - *2-pole* | *Accessories* | 10/60 | B | **8WH9 030-5CC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* | 10/60 | B | **8WH9 030-5CD00** | | 1 | 10 | 044 |
| | • Partitions | | | | | | | | |
| | - *For bolt-type screw terminals without jumper* | *Accessories* | 10/60 | B | **8WH9 070-3AA00** | | 1 | 10 | 044 |
| | - *For bolt-type screw terminals with jumper* | *Accessories* | 10/60 | B | **8WH9 070-3BA00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 150-0CA00 | **Quick-fit end retainers**<br>For labeling with front labels, for terminal width 5.2 mm and terminal strip markers | | | A | **8WH9 150-0CA00** | | 1 | 50 | 044 |
| | **Links**<br>For cross-linking bolt-type screw terminals | | | | | | | | |
| | Versions | | | | | | | | |
| | • For bolt-type screw terminals with terminal size 50 mm² | | | | | | | | |
| | - 2-pole | | | B | **8WH9 030-5AC00** | | 1 | 10 | 044 |
| | - 3-pole | | | B | **8WH9 030-5AD00** | | 1 | 10 | 044 |
| | • For bolt-type screw terminals with terminal size 95 mm² | | | | | | | | |
| | - 2-pole | | | B | **8WH9 030-5BC00** | | 1 | 10 | 044 |
| | - 3-pole | | | B | **8WH9 030-5BD00** | | 1 | 10 | 044 |
| | • For bolt-type screw terminals with terminal size 150 mm² | | | | | | | | |
| | - 2-pole | | | B | **8WH9 030-5CC00** | | 1 | 10 | 044 |
| | - 3-pole | | | B | **8WH9 030-5CD00** | | 1 | 10 | 044 |
| | **Partitions, for bolt-type screw terminals without jumper**<br>• Can be snapped on between the terminal bases<br>• 81 mm wide<br>• Gray | | | B | **8WH9 070-3AA00** | | 1 | 10 | 044 |
| | **Partitions, for bolt-type screw terminals with jumper**<br>• Between the terminal blocks<br>• For the use of jumpers<br>• Gray | | | B | **8WH9 070-3BA00** | | 1 | 10 | 044 |

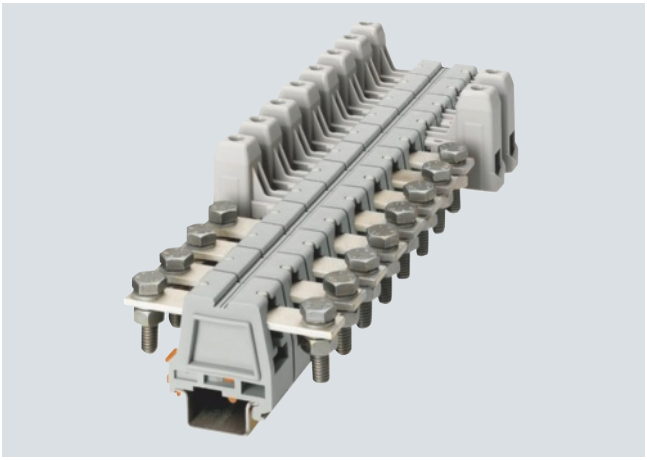
10

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



The range of flat terminals cover cross-sectional areas from 4 to 240 mm². Each terminal size is available as a bolt terminal for cable lugs. The screws are secured on the bolt terminals using spring washers.

For mounting on support rails according to IEC 60715.

## Technical specifications

| | 8WH1 060-0AL00 | 8WH1 060-0AN00 | 8WH1 060-0AQ00 | 8WH1 060-0AS00 | 8WH1 060-0AU00 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Height / length / width in mm | 53 / 88 / 26 | 54.5 / 95 / 32 | 56 / 110 / 40 | 56 / 110 / 46 | 58 / 125 / 53 |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 101 / 25 | 150 / 50 | 232 / 95 | 309 / 150 | 415 / 240 |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | | |
| • Overvoltage category / insulating group | III / II | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with/without plastic sleeve in mm² | 4 ... 25 / 4 ... 25 | 25 ... 50 / 25 ... 50 | 35 ... 95 / 35 ... 95 | 50 ... 150 / 50 ... 150 | 70 ... 185 / 70 ... 185 |
| • Set of screws/terminal bolts | M 8 | M 10 | M 12 | | M 16 |
| • Eye diameter / busbar in mm | 8.4 / 15 x 3 | 10.5 / 20 x 3 | 13 / 30 x 5 | | 17 / 40 x 5 |
| • Cable lugs, DIN 46235 in mm² | 16 ... 25 | 16 ... 50 | 25 ... 95 | 25 ... 150 | 50 ... 185 |
| • Flexible with end sleeve with/without plastic sleeve in mm² | 2.5 ... 25 | 6 ... 50 | 10 ... 95 | 10 ... 150 | 25 ... 240 |
| Multi-conductor connection (two conductors of same cross-section) | | | | | |
| • Rigid/flexible in mm² | 2.5 ... 10 / 4 ... 10 | 10 ... 16 / 10 ... 16 | 25 ... 35 / 25 ... 35 | 25 ... 50 / 35 ... 50 | 35 ... 95 / 50 ... 95 |
| • Flexible without end sleeve with plastic sleeve in mm² | 2.5 ... 10 | 10 ... 16 | 16 ... 35 | 25 ... 50 | 35 ... 50 |
| Stripped length in mm | 21 | 26 | 29 | 34 | |
| Plug gage (IEC 60947-1) | B8 | B10 | B12 | B14 | B15 |
| KH: screw thread / tightening torque in Nm | M 5 / 4 ... 4.5 | M 6 / 6 ... 8 | M 8 / 15 ... 20 | M 10 / 25 ... 30 | |
| Set of screws AS: Tightening torque in Nm | 15 ... 20 | 25 ... 30 | | | 30 ... 35 |
| Insulation type | PA-F | | | | |
| • Flammability class acc. to UL 94 | HB | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: V / A / AWG | 600 / 85 / 6 - 4 | 600 / 150 / 6 - 0 | 600 / 230 / 2 - 000 | 600 / 285 / 2 AWG - 300 kcmil | 600 / 380 / 0 AWG - 500 kcmil |
| - CSA: V / A / AWG | 600 / 100 / 6 - 4 | 600 / 125 / 6 - 0 | 600 / 200 / 2 - 000 | 600 / 275 / 2 AWG - 300 kcmil | 600 / 400 / 0 AWG - 500 kcmil |

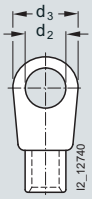
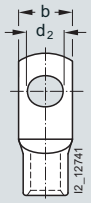
### *Safe cable lug connection*

The cable lugs in flat terminals are securely clamped with screws. The screws are secured with a spring washer. Connection of cable lugs according to DIN 46234 and DIN 46235 is permitted. Two-wire connection is also possible by clamping one conductor with cable lug underneath the current bar and the second on the current bar.

© Siemens AG 2010



## 8WH flat terminals

| | | Cable lug, DIN 46234:1980-03 | | Cable lug, DIN 46235:1983-07 | |
|---|---|---|---|---|---|
| | |  | |  | |
| | **Conductor cross-section in mm²** | **Hole ∅ $d_2$ in mm** | **Width $d_3$ in mm** | **Hole ∅ $d_2$ in mm** | **Width b in mm** |
| **M6** | 1.5 | 6.4 | 10 | -- | -- |
| | 2.5 | 6.4 | 11 | -- | -- |
| | 6 | 6.4 | 11 | 6.4 | 8.5 |
| | 10 | 6.4 | 11 | 6.4 | 8.5 |
| | 16 | 6.4 | 11 | 6.4 | 12 |
| | 25 | 6.4 | 12 | 6.4 | 14 |
| | 35 | 6.4 | 16 | -- | -- |
| | 50 | 6.4 | 18 | -- | -- |
| **M8** | 2.5 | 8.4 | 14 | -- | -- |
| | 6 | 8.4 | 14 | -- | -- |
| | 10 | 8.4 | 14 | -- | -- |
| | 16 | 8.4 | 14 | 8.4 | 13 |
| | 25 | 8.4 | 16 | 8.4 | 16 |
| | 35 | 8.4 | 16 | 8.4 | 17 |
| | 50 | 8.4 | 18 | 8.4 | 20 |
| | 70 | 8.4 | 22 | 8.4 | 24 |
| | 95 | 8.4 | 24 | -- | -- |
| | 120 | 8.4 | 24 | -- | -- |
| **M10** | 6 | 10.5 | 18 | -- | -- |
| | 10 | 10.5 | 18 | -- | -- |
| | 16 | 10.5 | 18 | 10.5 | 17 |
| | 25 | 10.5 | 18 | 10.5 | 17 |
| | 35 | 10.5 | 18 | 10.5 | 19 |
| | 50 | 10.5 | 18 | 10.5 | 22 |
| | 70 | 10.5 | 22 | 10.5 | 24 |
| | 95 | 10.5 | 24 | 10.5 | 28 |
| | 120 | 10.5 | 24 | 10.5 | 32 |
| | 150 | 10.5 | 30 | 10.5 | 34 |
| | 185 | 10.5 | 36 | 10.5 | 37 |
| | 240 | 10.5 | 38 | -- | -- |
| **M12** | 10 | 13 | 22 | -- | -- |
| | 16 | 13 | 22 | -- | -- |
| | 25 | 13 | 22 | 13 | 19 |
| | 35 | 13 | 22 | 13 | 21 |
| | 50 | 13 | 22 | 13 | 24 |
| | 70 | 13 | 22 | 13 | 24 |
| | 95 | 13 | 24 | 13 | 28 |
| | 120 | 13 | 24 | 13 | 32 |
| | 150 | 13 | 30 | 13 | 34 |
| | 185 | 13 | 36 | 13 | 37 |
| | 240 | 13 | 38 | 13 | 42 |
| **M16** | 25 | 17 | 28 | -- | -- |
| | 35 | 17 | 28 | -- | -- |
| | 50 | 17 | 28 | 17 | 28 |
| | 70 | 17 | 28 | 17 | 30 |
| | 95 | 17 | 28 | 17 | 32 |
| | 120 | 17 | 28 | 17 | 32 |
| | 150 | 17 | 30 | 17 | 34 |
| | 185 | 17 | 36 | 17 | 37 |
| | 240 | 17 | 38 | 17 | 42 |

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 25 mm²** | | | | | | | | |
|  8WH1 060-0AL00 | **Flat terminals, terminal size 25 mm²**<br>• M8 terminal bolts<br>• Double conductor run with set of screws<br>• For busbar and cable lug connection<br>• Terminal width 26 mm<br>• c, <br>• Terminal sleeve 6-25 mm²<br>• AWG 10-4<br>• IEC 60947-7-1<br>• Supply data: $I$ = 101 A, $U$ = 1000 V<br>• Height/length/width in mm: 53/88/23<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | C | **8WH1 060-0AL00** | | 1 | 10 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Partitions, for terminal size 25 ... 50 mm²* | *Accessories* 10/64 | C | **8WH9 070-0VA00** | | 1 | 10 | 044 |
| | • *Link rails, for terminal size 25 mm²* | | | | | | | |
| | - *2-pole* | *Accessories* 10/64 | C | **8WH9 030-3AC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* 10/64 | C | **8WH9 030-3AD00** | | 1 | 10 | 044 |
| **Terminal size 50 mm²** | | | | | | | | |
|  8WH1 060-0AN00 | **Flat terminals, terminal size 50 mm²**<br>• M10 terminal bolts<br>• Double conductor run with set of screws<br>• For busbar and cable lug connection<br>• Terminal width 32 mm<br>• c, <br>• Terminal sleeve 25-50 mm²<br>• AWG 6-0<br>• IEC 60947-7-1<br>• Supply data: $I$ = 150 A, $U$ = 1000 V<br>• Height/length/width in mm: 54.5/95/32<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | C | **8WH1 060-0AN00** | | 1 | 10 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Partitions, for terminal size 25 ... 50 mm²* | *Accessories* 10/64 | C | **8WH9 070-0VA00** | | 1 | 10 | 044 |
| | • *Link rails, for terminal size 50 mm²* | | | | | | | |
| | - *2-pole* | *Accessories* 10/64 | C | **8WH9 030-3BC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* 10/64 | C | **8WH9 030-3BD00** | | 1 | 10 | 044 |
| **Terminal size 95 mm²** | | | | | | | | |
|  8WH1 060-0AQ00 | **Flat terminals, terminal size 95 mm²**<br>• M12 terminal bolts<br>• Double conductor run with set of screws<br>• For busbar and cable lug connection<br>• Terminal width 40 mm<br>• c, <br>• Terminal sleeve 35-95 mm²<br>• AWG 4-000<br>• IEC 60947-7-1<br>• Supply data: $I$ = 232 A, $U$ = 1000 V<br>• Height/length/width in mm: 56/110/40<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | C | **8WH1 060-0AQ00** | | 1 | 10 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Partitions, for terminal size 95 ... 240 mm²* | *Accessories* 10/64 | C | **8WH9 070-0WA00** | | 1 | 10 | 044 |
| | • *Link rails, for terminal size 95 mm²* | | | | | | | |
| | - *2-pole* | *Accessories* 10/64 | C | **8WH9 030-3CC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* 10/64 | C | **8WH9 030-3CD00** | | 1 | 10 | 044 |
| **Terminal size 150 mm²** | | | | | | | | |
|  8WH1 060-0AS00 | **Flat terminals, terminal size 150 mm²**<br>• M12 terminal bolts<br>• Double conductor run with set of screws<br>• For busbar and cable lug connection<br>• Terminal width 46 mm<br>• c, <br>• Terminal sleeve 50-150 mm²<br>• AWG 2-300<br>• IEC 60947-7-1<br>• Supply data: $I$ = 309 A, $U$ = 1000 V<br>• Height/length/width in mm: 56/110/46<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | C | **8WH1 060-0AS00** | | 1 | 10 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Partitions, for terminal size 95 ... 240 mm²* | *Accessories* 10/64 | C | **8WH9 070-0WA00** | | 1 | 10 | 044 |
| | • *Link rails, for terminal size 150 mm²* | | | | | | | |
| | - *2-pole* | *Accessories* 10/64 | C | **8WH9 030-3DC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* 10/64 | C | **8WH9 030-3DD00** | | 1 | 10 | 044 |



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH flat terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 240 mm²** | | | | | | | | | |
|  8WH1 060-0AU00 | **Flat terminals, terminal size 240 mm²**<br>• M16 terminal bolts<br>• Double conductor run with set of screws<br>• For busbar and cable lug connection<br>• Flat clamp must be fitted<br>• Terminal width 53 mm<br>• c, , <br>• Terminal sleeve 70-240 mm²<br>• AWG kcmil 00-500<br>• IEC 60947-7-1<br>• Supply data: $I$ = 415 A, $U$ = 1000 V<br>• Height/length/width in mm: 56/125/53<br>• For inscription: labeling plates, front, for terminal width 10 and 12 mm (see page 16/9) | | | C | **8WH1 060-0AU00** | | 1 | 5 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Flat clamps, for terminal size 240 mm²* | *Accessories* | 10/64 | C | **8WH9 140-0KA00** | | 1 | 10 | 044 |
| | • *Partitions, for terminal size 95 ... 240 mm²* | *Accessories* | 10/64 | C | **8WH9 070-0WA00** | | 1 | 10 | 044 |
| | • *Link rails, for terminal size 240 mm²* | | | | | | | | |
| | - *2-pole* | *Accessories* | 10/64 | C | **8WH9 030-3EC00** | | 1 | 10 | 044 |
| | - *3-pole* | *Accessories* | 10/64 | C | **8WH9 030-3ED00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 140-0KA00 | **Flat clamps, for terminal size 240 mm²**<br>• Raises busbar 12 mm over surface<br>• Required for engaging and releasing 8WH1 060-0AU00 terminal | | | C | **8WH9 140-0KA00** | | 1 | 10 | 044 |
|  8WH9 070-0VA00 | **Partitions**<br>• Gray<br>• Can be snapped in without separation loss between the terminal mountings<br>• 180 mm wide | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal sizes 25 ... 50 mm² | | | C | **8WH9 070-0VA00** | | 1 | 10 | 044 |
| | • For terminal sizes 95 ... 240 mm² | | | C | **8WH9 070-0WA00** | | 1 | 10 | 044 |
|  8WH9 030-3AC00 | **Link rails**<br>For cross-linking high-current connectors with screw set AS | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 25 mm² | | | | | | | | |
| | - 2-pole | | | C | **8WH9 030-3AC00** | | 1 | 10 | 044 |
| | - 3-pole | | | C | **8WH9 030-3AD00** | | 1 | 10 | 044 |
| | • For terminal size 50 mm² | | | | | | | | |
| | - 2-pole | | | C | **8WH9 030-3BC00** | | 1 | 10 | 044 |
| | - 3-pole | | | C | **8WH9 030-3BD00** | | 1 | 10 | 044 |
| | • For terminal size 95 mm² | | | | | | | | |
| | - 2-pole | | | C | **8WH9 030-3CC00** | | 1 | 10 | 044 |
| | - 3-pole | | | C | **8WH9 030-3CD00** | | 1 | 10 | 044 |
| | • For terminal size 150 mm² | | | | | | | | |
| | - 2-pole | | | C | **8WH9 030-3DC00** | | 1 | 10 | 044 |
| | - 3-pole | | | C | **8WH9 030-3DD00** | | 1 | 10 | 044 |
| | • For terminal size 240 mm² | | | | | | | | |
| | - 2-pole | | | C | **8WH9 030-3EC00** | | 1 | 10 | 044 |
| | - 3-pole | | | C | **8WH9 030-3ED00** | | 1 | 10 | 044 |





* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



In industrial process engineering, a high interference immunity is required for electrical instrumentation and control. It is a decisive factor in the availability of industrial equipment. When designing low-interference systems, great importance is placed on cable shielding and the respective shield ground. The critical point is where the cable shield is connected to the enclosure ground. The connection should have a low resistance and a low inductive reactance, while being quick and easy to set up. The shield terminals are ideally suited for this purpose and can be used with all common cable shields.

The effectiveness of cable shields depends to a large extent on the contact quality of the shield connection. The shield terminals have a large, low-impedance contact area with the shield, which reduces the voltage drop across it. Connected at one end only, shields can help reduce only low-frequency, capacitive interference, such as that caused by high-voltage installations. To protect from the much more common inductive interference signals, the cable shield must be connected at both ends.

However, differences in the ground potential can cause a compensating current to flow through the cable shield.

To reduce this unwanted current, it is advisable to connect the shield at several points along its length. The shorter the spaces between the clamping points, the smaller the compensating currents in the cable shield. In systems where safety is especially important, triax shields are used. These consist of two braids that are insulated from each other, with the outer shield connected at both ends and the inner one at only one end. With this arrangement, the compensating currents and the inductive interference are conducted through the outer shield, and the capacitive interference dissipated through the inner shield.

Depending on the length of the terminal strip, two or more support brackets are fitted, which provides both an electrical and a mechanical connection from the busbar to the support rail and therefore to the enclosure ground. The shield terminal is simply fitted to the busbar after all wires have been connected.

A spring-loaded pressure plate regulates the force applied to the cable to ensure an optimum contact with the busbar at all times.

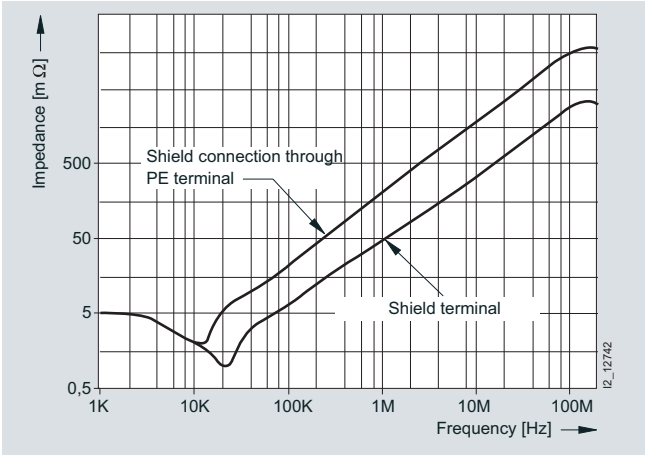
If the cable shield is to be connected at another point of the control cabinet instead of directly in front of the terminal strip, we recommend using support brackets made of molded plastic.

10

## Technical specifications

| | 8WH9 130-0KA00 | 8WH9 130-0LA00 | 8WH9 130-0MA00 | 8WH9 130-0NA00 | 8WH9 130-0PA00 |
|---|---|---|---|---|---|
| Dimensions | See dimensional drawing | See dimensional drawing | See dimensional drawing | See dimensional drawing | See dimensional drawing |
| Contact resistance in mΩ | | < 1 | | | |
| Supply data | | | | | |
| • Diameter | 2 ... 5 | 3 ... 8 | 3 ... 14 | 3 ... 20 | 20 ... 35 |
| • Tightening torque in Nm | 0.4 | 0.6 | 0.8 | 0.8 | 1.5 ... 1.8 |

| | 8WH9 130-0AA00 | 8WH9 130-0BA00 | 8WH9 130-0CA00 | 8WH9 130-0DA00 |
|---|---|---|---|---|
| Dimensions | See dimensional drawing | See dimensional drawing | See dimensional drawing | See dimensional drawing |
| Contact resistance in mΩ | The contact resistance is determined by the mounting area. | | | |
| Supply data | | | | |
| • Diameter | 3 ... 8 | 3 ... 14 | 3 ... 20 | 20 ... 35 |
| • Tightening torque in Nm | 0.6 | 0.8 | 0.8 | 1.5 ... 1.8 |




Comparison of shield connection through PE terminal and through shield terminal

© Siemens AG 2010



## 8WH shield terminals

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **General details** | | | | | | | | |
| | Note | | | | | | | | |
| | • The shield terminals must not be used for strain relief.<br>• Support brackets have galvanic connections from the busbar to the support rail or to the mounting block.<br>• Busbar 10 mm × 3 mm | | | | | | | | |
| **Terminal diameter 3 ... 8 mm** | | | | | | | | | |
|  8WH9 130-0AA00 | **Shield terminals, terminal diameter 3 ... 8 mm** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For direct screen attachment on conductive mounting plate<br>- Sheet thickness 1 ... 2 mm | | | C | **8WH9 130-0AA00** | | 1 | 10 | 044 |
| | • For busbars | | | C | **8WH9 130-0LA00** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets*<br>- *For terminal diameters 8 ... 35 mm², made of molded plastic and conductive connection* | *Accessories* | 10/67 | C | **8WH9 140-0DA00** | | 1 | 10 | 044 |
| | - *For terminal diameters 8 ... 20 mm², on support rail with distance of about 30 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0BA00** | | 1 | 10 | 044 |
|  8WH9 130-0LA00 | - *For terminal diameters 8 ... 20 mm², on support rail with distance of about 65 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0CA00** | | 1 | 10 | 044 |
| | • *Neutral busbars 10 mm x 3 mm* | *Accessories* | 10/67 | A | **8WA2 842** | | 1 | 1 | 041 |
| **Terminal diameter 3 ... 14 mm** | | | | | | | | | |
|  8WH9 130-0BA00 | **Shield terminals, terminal diameter 3 ... 14 mm** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For direct screen attachment on conductive mounting plate<br>- Sheet thickness 1 ... 2 mm | | | C | **8WH9 130-0BA00** | | 1 | 10 | 044 |
| | • For busbars | | | C | **8WH9 130-0MA00** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Support brackets*<br>• *For terminal diameters 8 ... 35 mm², made of molded plastic and conductive connection* | *Accessories* | 10/67 | C | **8WH9 140-0DA00** | | 1 | 10 | 044 |
| | • *For terminal diameters 8 ... 20 mm², on support rail with distance of about 30 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0BA00** | | 1 | 10 | 044 |
|  8WH9 130-0MA00 | • *For terminal diameters 8 ... 20 mm², on support rail with distance of about 65 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0CA00** | | 1 | 10 | 044 |

10



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal diameter 3 ... 20 mm** | | | | | | | | | |
|  8WH9 130-0CA00 | **Shield terminals, terminal diameter 3 ... 20 mm** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For direct screen attachment on conductive mounting plate<br>- Sheet thickness 1 ... 2 mm | | | C | **8WH9 130-0CA00** | | 1 | 10 | 044 |
| | • For busbars | | | C | **8WH9 130-0NA00** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
|  8WH9 130-0NA00 | *Support brackets* | | | | | | | | |
| | *• For terminal diameters 8 ... 35 mm², made of molded plastic and conductive connection* | *Accessories* | 10/67 | C | **8WH9 140-0DA00** | | 1 | 10 | 044 |
| | *• For terminal diameters 8 ... 20 mm², on support rail with distance of about 30 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0BA00** | | 1 | 10 | 044 |
| | *• For terminal diameters 8 ... 20 mm², on support rail with distance of about 65 mm to the busbar* | *Accessories* | 10/67 | C | **8WH9 140-0CA00** | | 1 | 10 | 044 |
| **Terminal diameter 20 ... 35 mm²** | | | | | | | | | |
|  8WH9 130-0DA00 | **Shield terminals, terminal diameter 20 ... 35 mm²** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For direct screen attachment on conductive mounting plate<br>- Sheet thickness 1 ... 2 mm | | | C | **8WH9 130-0DA00** | | 1 | 50 | 044 |
| | • For busbars | | | C | **8WH9 130-0PA00** | | 1 | 10 | 044 |
| | Accessories | Section | Page | | | | | | |
|  8WH9 130-0PA00 | *Support brackets, for terminal diameters 8 ... 35 mm², made of molded plastic and conductive connection* | *Accessories* | 10/67 | C | **8WH9 140-0DA00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 140-0DA00 | **Support brackets** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal diameters 8 ... 35 mm², made of molded plastic and conductive connection<br>- With retaining screw<br>- For 10 x 3 mm busbars | | | C | **8WH9 140-0DA00** | | 1 | 10 | 044 |
|  8WH9 140-0BA00 | • For terminal diameters 8 ... 20 mm², on support rail with distance of about 30 mm to the busbar<br>- For 10 x 3 mm busbars | | | C | **8WH9 140-0BA00** | | 1 | 10 | 044 |
|  8WH9 140-0CA00 | • For terminal diameters 8 ... 20 mm², on support rail with distance of about 65 mm to the busbar<br>- For 10 x 3 mm busbars | | | C | **8WH9 140-0CA00** | | 1 | 10 | 044 |
|  8WA2 842 | **Neutral busbars 10 mm x 3 mm**<br>• Tin-plated<br>• 1000 mm long | | | A | **8WA2 842** | | 1 | 1 | 041 |

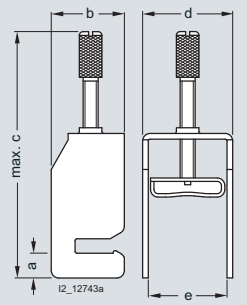
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



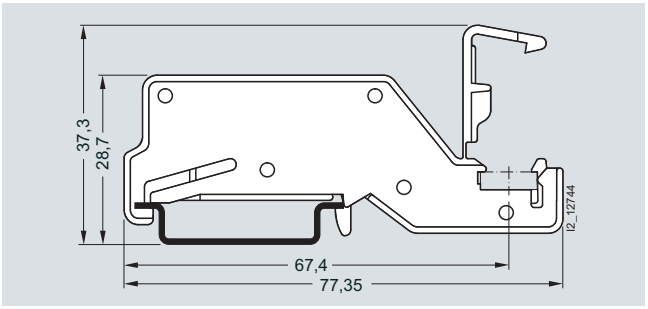
## 8WH shield terminals

### Dimensional drawings

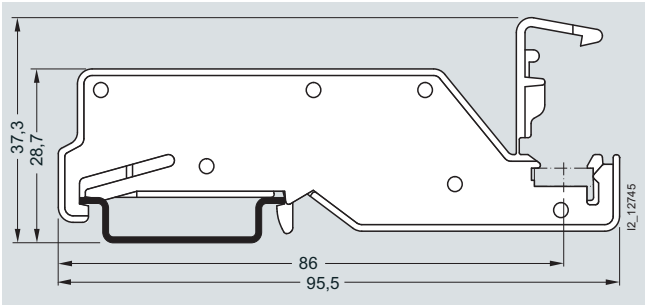



| | a | b | c | d | e |
|---|---|---|---|---|---|
| 8WH9 130-0LA00 | 6,5 | 19,5 | 48,7 | 12,0 | 9,0 |
| 8WH9 130-0MA00 | 6,5 | 19,5 | 59,3 | 17,0 | 14,0 |
| 8WH9 130-0NA00 | 6,5 | 19,5 | 75,0 | 24,0 | 21,0 |
| 8WH9 130-0PA00 | 6,5 | 20,0 | 106,5 | 40,0 | 36,0 |
| 8WH9 130-0AA00 | 6,5 | 19,5 | 47,2 | 12,0 | 9,0 |
| 8WH9 130-0BA00 | 6,5 | 19,5 | 57,8 | 17,0 | 14,0 |
| 8WH9 130-0CA00 | 6,5 | 19,5 | 73,5 | 24,0 | 21,0 |
| 8WH9 130-0DA00 | 6,5 | 20,0 | 105,0 | 40,0 | 36,0 |

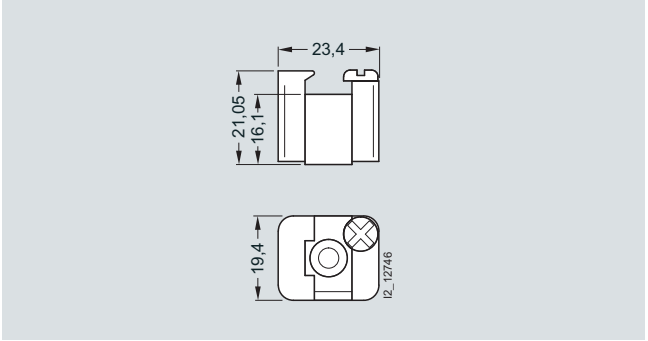
Shield terminals



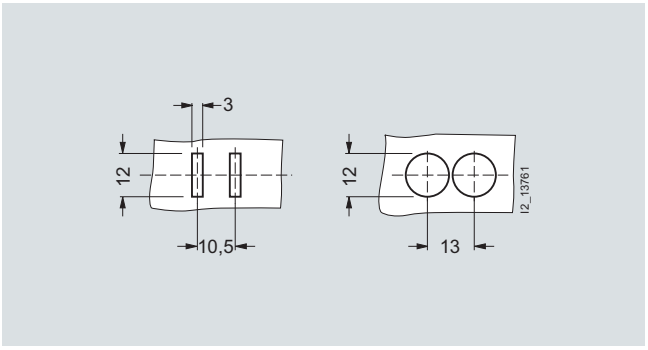

8WH 140-0BA00



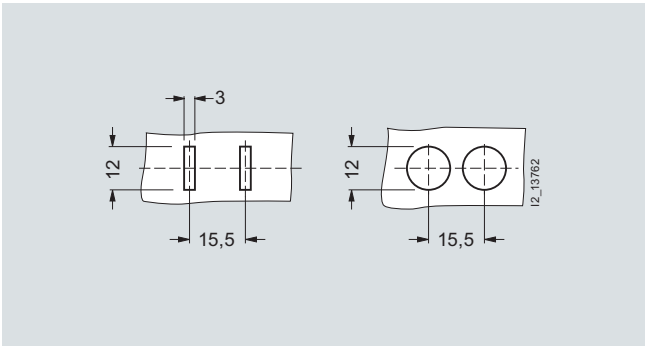

8WH 140-0CA00



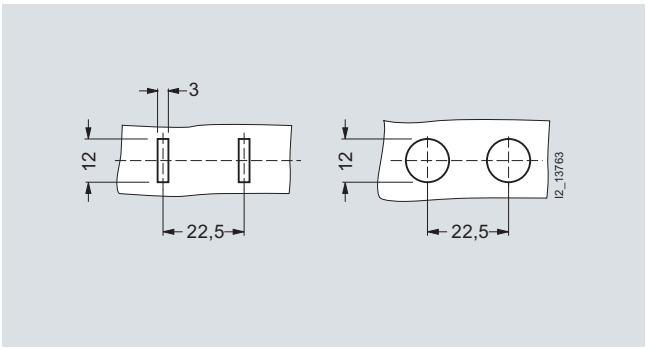

8WH9 140-0DA00



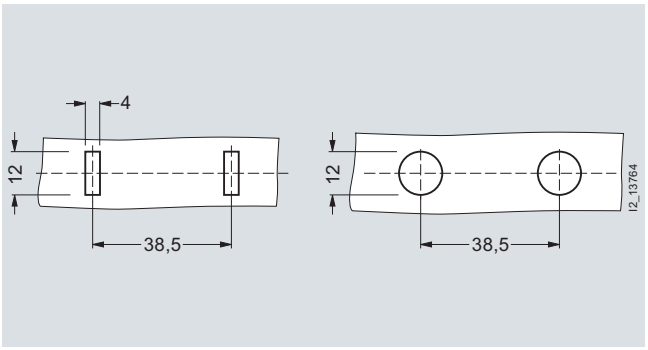

Punching template and drill plan for 8WH9 130-0AA00




Punching template and drill plan for 8WH9 130-0BA00




Punching template and drill plan for 8WH9 130-0CA00




Punching template and drill plan for 8WH9 130-0DA00

© Siemens AG 2010

# Terminals with Spring-Loaded Connection

11




| | | |
|---|---|---|
| | 11/2 | **Introduction** |
| **8WH terminals**[1] | 11/4 | **General data on 8WH** |
| | 11/8 | **8WH through-type terminals**[2] |
| | 11/22 | **8WH hybrid through-type terminals**[2] |
| | 11/24 | **8WH fuse terminals** |
| | 11/27 | **8WH isolating blade terminals** |
| | 11/29 | **8WH isolating terminals** |
| | 11/32 | **8WH two-tier terminals**[2] |
| | 11/37 | **8WH three-tier terminals** |
| | 11/39 | **8WH four-tier motor terminals** |
| | 11/41 | **8WH diode terminals** |
| | 11/42 | **8WH two-tier diode terminals** |
| | 11/45 | **8WH compact through-type terminals**[2] |
| | 11/52 | **8WH compact isolating blade terminals** |
| | 11/54 | **8WH compact isolating terminals** |
| | 11/56 | **8WH compact two-tier terminals**[2] |
| | 11/58 | **Support rails/protective conductor busbars** |
| **8WA terminals** | 11/59 | **General data on 8WA** |
| Products to be Discontinued | 11/61 | **8WA through-type terminals**[2] |
| | 11/66 | **8WA two-tier terminals** |
| | 11/68 | **8WA fuse terminals** |
| | 11/69 | **8WA sliding-link terminals** |
| | 11/70 | **8WA initiator/actuator terminals** |
| | 11/72 | **8WA general technical specifications** |


[1] 8WH accessories can only be used for 8WH terminals.

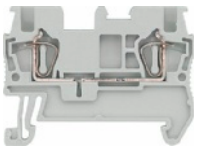
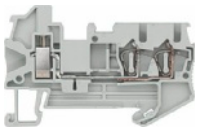
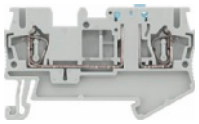
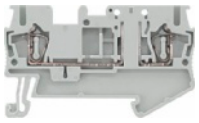
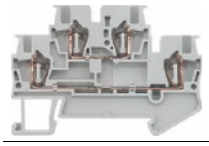
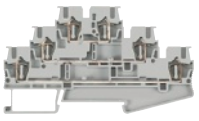
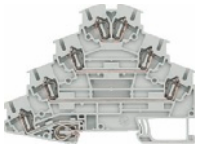
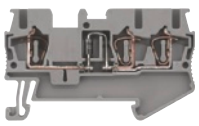
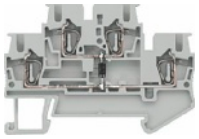
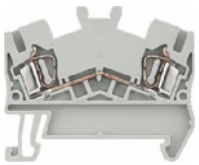
[2] Also available as a PE version.

© Siemens AG 2010



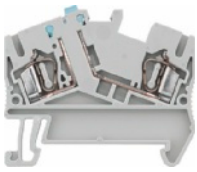
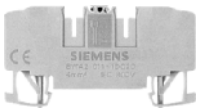
## Introduction

### Overview

| | Devices | Page | Application |
|---|---|---|---|
| **8WH terminals** | | | |
|  | Through-type terminals | 11/8 | Connection of incoming and outgoing conductors up to 35 mm$^2$ |
|  | Hybrid through-type terminals | 11/22 | Terminals with a range of connection methods |
|  | Fuse terminals | 11/24 | Terminals that protect, e.g. control circuits |
|  | Isolating blade terminals | 11/27 | Isolation of the circuit, e.g. for test purposes |
|  | Isolating terminals | 11/29 | Isolation of the circuit, e.g. for test purposes |
|  | Two-tier terminals | 11/32 | Compact design of the terminal blocks, which can accommodate installation of two connecting cables |
|  | Three-tier terminals | 11/37 | Compact terminal blocks up to 2.5 mm$^2$, which can accommodate installation of three connecting cables |
|  | Four-tier motor terminals | 11/39 | Compact terminal blocks up to 4 mm$^2$, which can accommodate installation of three connecting cables plus PE |
|  | Diode terminals | 11/41 | Terminal blocks with integrated diodes |
|  | Two-tier diode terminals | 11/42 | Terminal blocks with integrated diodes |
|  | Compact through-type terminals | 11/45 | Compact terminals up to 6 mm$^2$ with small longitudinal dimensions |

© Siemens AG 2010



| | Devices | Page | Application |
|---|---|---|---|
|  | Compact isolating blade terminals | 11/52 | Compact terminals up to 2.5 mm² with small longitudinal dimensions and isolation of circuits, e.g. for test purposes |
|  | Compact isolating terminals | 11/54 | Compact terminals up to 2.5 mm² with small longitudinal dimensions and isolation of circuits, e.g. for test purposes |
|  | Compact two-tier terminals | 11/56 | Compact terminal blocks up to 4 mm², which can accommodate installation of two connecting cables |
| **8WA terminals** | | | |
|  | Through-type terminals | 11/61 | Connection of incoming and outgoing cables up to 35 mm² |
|  | Two-tier terminals | 11/66 | Compact terminal blocks up to 4 mm², which can accommodate installation of two connecting cables |
|  | Fuse terminals | 11/68 | Terminals up to 4 mm² that protect, e.g. control circuits |
|  | Sliding-link terminals | 11/69 | Terminal blocks with 2.5 mm² for isolation for test purposes |
|  | Initiator/actuator terminals | 11/70 | Special terminals for connection of sensors and actuators |

© Siemens AG 2010



## General data on 8WH

### Overview

| Conductor cross-section | Terminal type[1] | Color | Connection type → Standard spring-loaded connection<br>Version → Standard<br>Number of clamping points → 2<br>Order No. (Digits 1 ... 7) → 8WH2 000 | 3<br>8WH2 003 | 4<br>8WH2 004 | Two-tier<br>4<br>8WH2 020 | 6<br>8WH2 023 | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|---|---|---|
| 1.5 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | -- | 0AE00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | -- | 0AE01 |
| | PU | Green-yellow | ✔ | ✔ | ✔ | ✔ | -- | 0CE07 |
| 2.5 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | ✔ | 0AF00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | ✔ | 0AF01 |
| | Isolating | Gray | ✔ | ✔ | ✔ | -- | -- | 6AF00 |
| | Isolating blade | Gray | ✔ | ✔ | ✔ | -- | -- | 0CF00 |
| | | Blue | -- | -- | ✔ | -- | -- | 6CF01 |
| | PU | Green-yellow | ✔ | ✔ | ✔ | ✔ | ✔ | 0CF07 |
| 4 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | -- | 0AG00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | -- | 0AG01 |
| | Isolating | Gray | ✔ | -- | -- | -- | -- | 6AG00 |
| | Isolating blade | Gray | ✔ | -- | -- | -- | -- | 6CG00 |
| | PU | Green-yellow | ✔ | ✔ | ✔ | ✔ | -- | 0CG07 |
| 6 mm² | Through-type | Gray | ✔ | ✔ | -- | -- | -- | 0AH00 |
| | | Blue | ✔ | ✔ | -- | -- | -- | 0AH01 |
| | PU | Green-yellow | ✔ | ✔ | -- | -- | -- | 0CH07 |
| 10 mm² | Through-type | Gray | ✔ | -- | -- | -- | -- | 0AJ00 |
| | | Blue | ✔ | -- | -- | -- | -- | 0AJ01 |
| | PU | Green-yellow | ✔ | -- | -- | -- | -- | 0CJ07 |
| 16 mm² | Through-type | Gray | ✔ | -- | -- | -- | -- | 0AK00 |
| | | Blue | ✔ | -- | -- | -- | -- | 0AK01 |
| | PU | Green-yellow | ✔ | -- | -- | -- | -- | 0CK07 |
| 35 mm² | Through-type | Gray | ✔ | -- | -- | -- | -- | 0AM00 |
| | | Blue | ✔ | -- | -- | -- | -- | 0AM01 |
| | PU | Green-yellow | ✔ | -- | -- | -- | -- | 0CM07 |

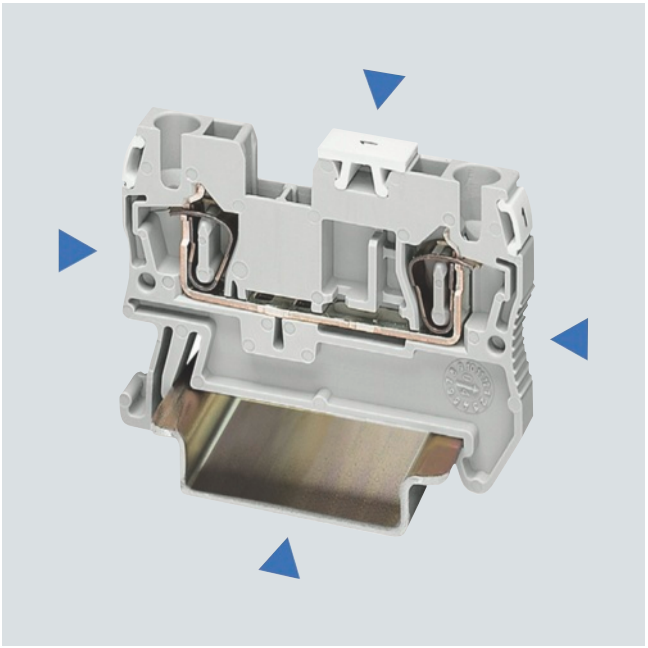
[1] Only the main terminal types are listed here. You will find further versions on the following pages.

#### *Rated short-time withstand current*

Our spring-loaded terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

© Siemens AG 2010





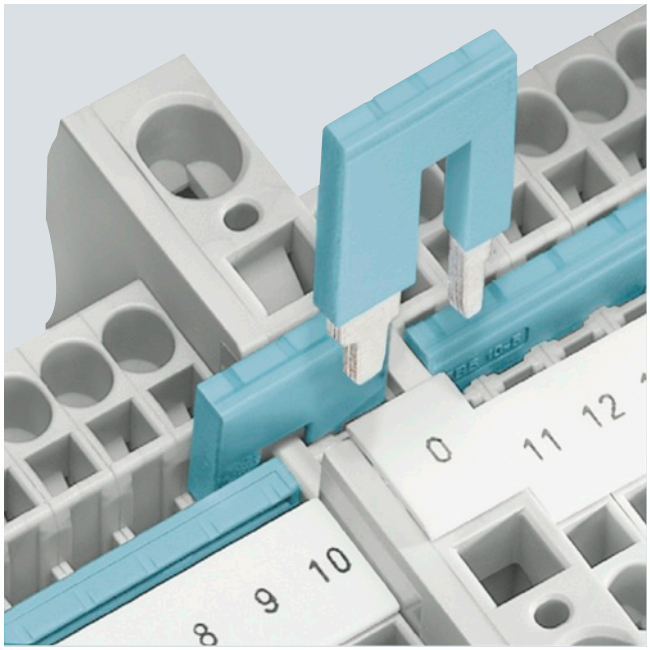
The space-saving design and conductor routing from above make spring-loaded terminals ideal for controlgear installations with minimum available space. The terminals are open at one end and can be closed using the appropriate covers.




The large and unambiguous marking in the center of the terminal is essential for ensuring reliable installation in minimum time. Each clamping point can also be separately labeled.




Spring-loaded terminals provide a large connection compartment for fast wiring of flexible and rigid conductors, including conductors with the nominal cross-section and a fitted end sleeve.

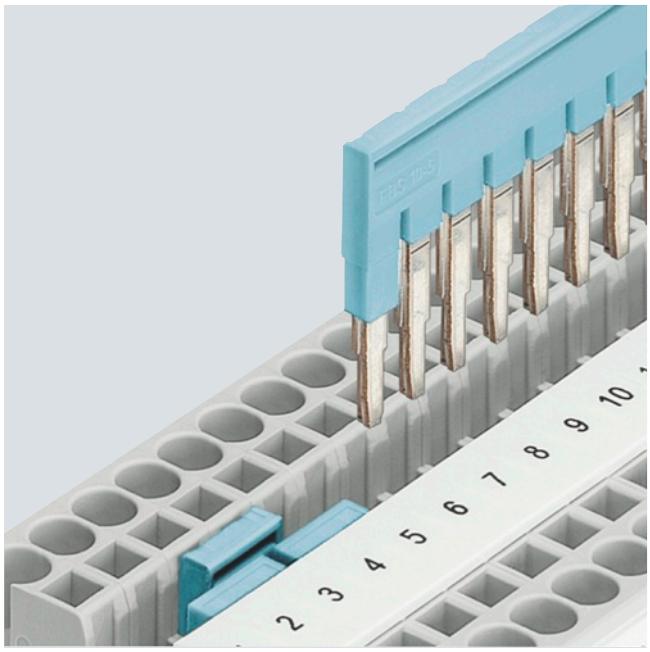



Reducing combs enable easy connection of terminals with various nominal cross-sections. Reducing combs allow quick assembly of infeed blocks, e.g. to connect a 10 mm² spring-loaded terminal with a 2.5 or 4 mm² spring-loaded terminal.

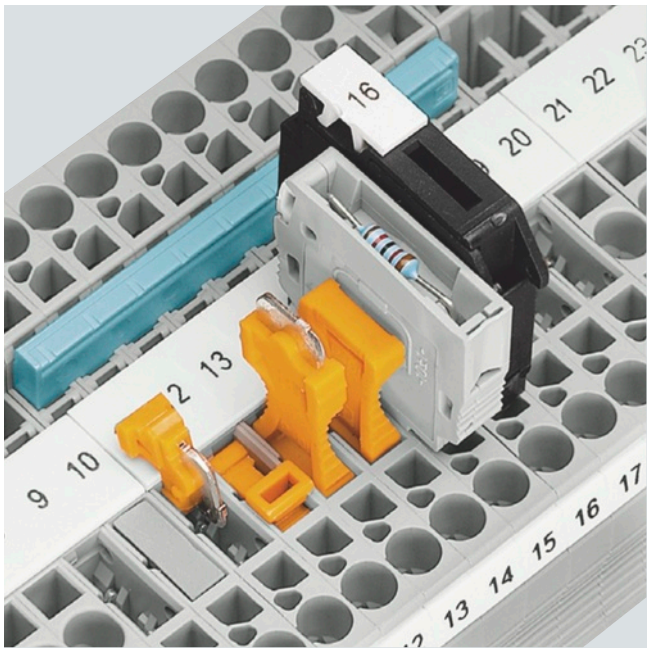
© Siemens AG 2010



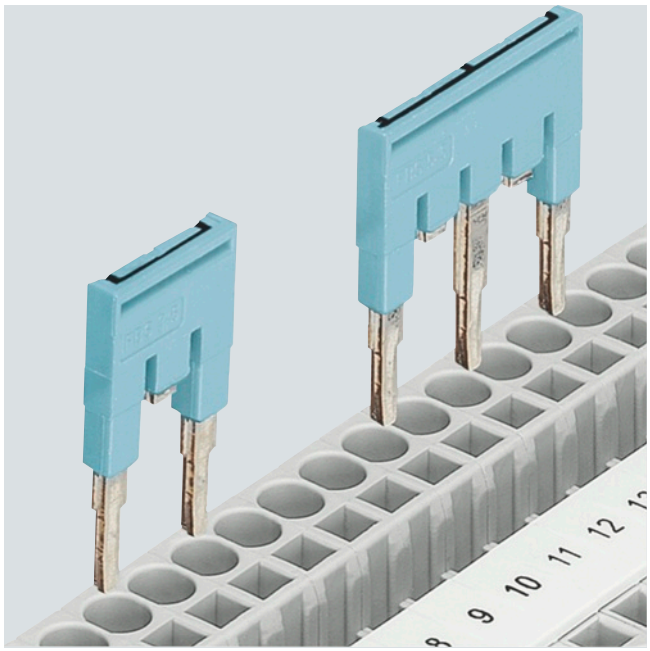
## General data on 8WH



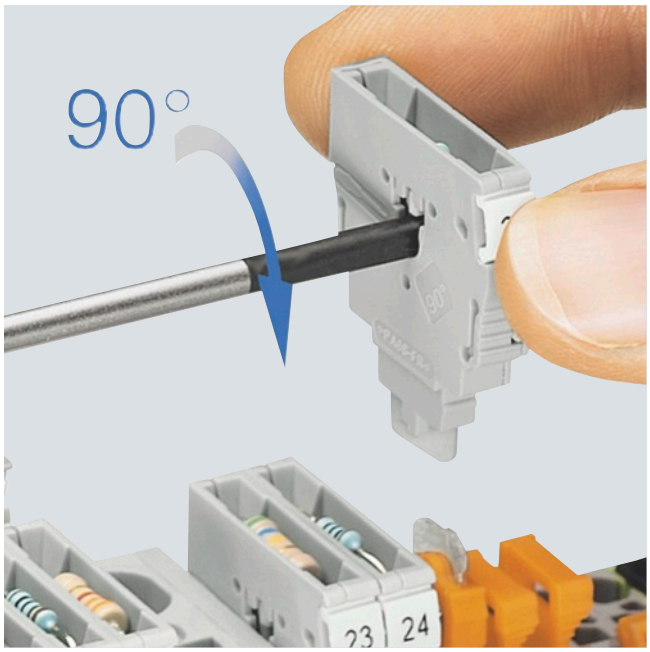
The 2 to 50-pole connecting combs also considerably reduce the time needed for assembly and wiring as they enable up to 50 terminals to be connected in a single step.



The universal plug-in zones of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.



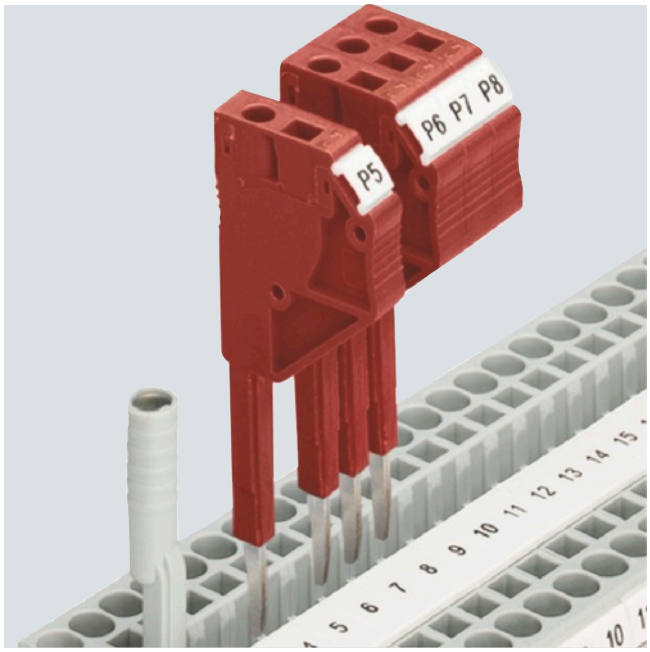
Contact tabs can be removed from the standard comb in order to skip individual terminals. This means that two potentials can run in parallel on a single terminal strip. The contact points can also be marked.




The component connector enables the convenient equipping with electronic components. One turn of the screwdriver opens the contact points and the component is easily inserted.

© Siemens AG 2010



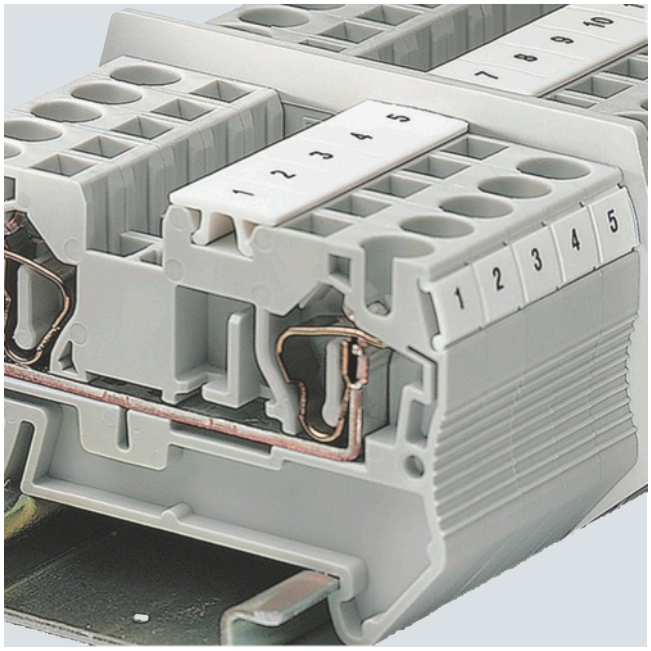



A comprehensive range of test accessories is also available for the spring-loaded terminal series. The test adapters for Ø 4 mm test plugs and modular test plugs enable all measuring and testing jobs to be performed in minimum time.




Cover segments are used to cover the projecting terminal segments of three and four-wire terminals when mounting two-wire terminals side-by-side. This guarantees touch protection.

Note: The accessories for 8WH can only be used for 8WH terminals.



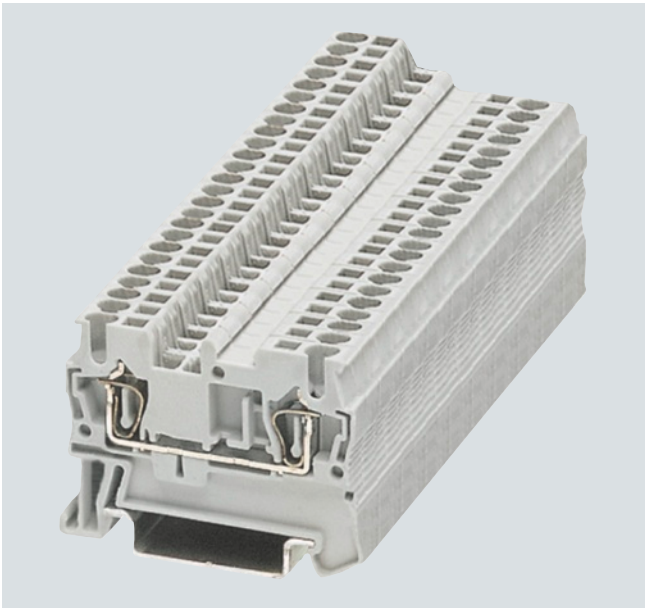

The compartment partitions project beyond the contours of the terminals and separate the groups both visually and electrically.

© Siemens AG 2010



## 8WH through-type terminals

### Overview



#### *With two clamping points*

The through-type terminals have an impressive space-saving design and offer optimized handling. With its front connection arrangement this series provides additional space between the cable ducts for wiring.

The double bridge slot enables individual chain bridging with connecting combs. Accessories are available for testing and labeling.

#### *With three clamping points*

Terminals with three clamping points are a space-saving alternative to the standard through-type terminals for branching the potential.

It is often necessary for three conductors to be routed to a single terminal.This three clamping point version enables this without the need for additional terminals and bridges.

#### *With four clamping points*

The double connection of the through-type terminals with four clamping points enables four conductors to be connected to a single potential. These versions are therefore suitable for use as compact potential distributors.

#### *PE/ground conductor function*

The through-type PE terminals are available with the same contour as the through-type terminals. Simply snap the terminals onto the rail to achieve full mechanical and electrical contact with the support rail.

The through-type PE terminals meet all the requirements of IEC 60947-7-2:

- Low contact resistance
- Non-corroding clamping points
- Green-yellow enclosure
- Additional inscription options

11

### Technical specifications

| | 8WH2 000-0AE0. | 8WH2 000-0CE07 | 8WH2 003-0AE00<br>8WH2 003-0AE01 | 8WH2 003-0CE07 | 8WH2 004-0AE00<br>8WH2 004-0AE01 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 4.2 / 48.5 / 2.2 | | 4.2 / 60.5 / 2.2 | | 4.2 / 72 / 2.2 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 36.8 / 44 | | 36.5 / 44 | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 17.5 / 1.5 | -- | 17.5 / 1.5 | -- | 17.5 / 1.5 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 1.5 | | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 1.5 | | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A1 | | | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 300 / 15 / 26-14 | -- / -- / 26-14 | 300 / 15 / 26-14 | -- / -- / 26-14 | 300 / 15 / 26-14 |
| - CSA: in V/A / AWG | 300 / 15 / 26-14 | -- / -- / 26-14 | 300 / 15 / 26-14 | -- | 300 / 15 / 26-14 |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* | -- |

© Siemens AG 2010



| | 8WH2 004-0CE07 | 8WH2 000-0AF0. | 8WH2 000-0CF07 | 8WH2 003-0AF00<br>8WH2 003-0AF01 | 8WH2 003-0CF07 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 4.2 / 72 / 2.2 | 5.2 / 48.5 / 2.2 | | 5.2 / 60.5 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 36.5 / 44 | 36.8 / 44 | | 36.5 / 44 | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | -- | 31 / 4 | -- | 28 / 4 | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 1.5 | 0.25 ... 2.5 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 1.5 | 0.25 ... 2.5 | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A1 | A3 | | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | -- / -- / 26-14 | 300 / 20 / 26-12 | -- / -- / 26-12 | 600 / 20 / 26-12 | -- / -- / 26-12 |
| - CSA: in V/A / AWG | -- / -- / 26-14 | -- | | | |
| Support rails/protective conductor busbars | See section *Support rails* | -- | See section *Support rails* | -- | See section *Support rails* |

| | 8WH2 004-0AF00<br>8WH2 004-0AF01 | 8WH2 004-0CF07 | 8WH2 000-0AG0. | 8WH2 003-0AG00<br>8WH2 003-0AG01 | 8WH2 004-0AG00<br>8WH2 004-0AG01 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 72 / 2.2 | | 6.2 / 56 / 2.2 | 6.2 / 71.5 / 2.2 | 6.2 / 87 / 2.2 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 36.5 / 44 | | 36.8 / 44 | 36.5 / 44 | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 28 / 4 | -- | 40 / 6 | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | 0.5 ... 1 | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | -- / -- / 26-12 | 600 / 30 / 20-10 | | |
| - CSA: in V/A / AWG | -- | | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | -- | -- |

© Siemens AG 2010



## 8WH through-type terminals

| | 8WH2 000-0CG07 | 8WH2 003-0CG07 | 8WH2 004-0CG07 | 8WH2 000-0AH00<br>8WH2 000-0AH01 | 8WH2 003-0AH00<br>8WH2 003-0AH01 |
|---|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | 6.2 / 56 / 2.2<br>36.8 / 44 | 6.2 / 71.5 / 2.2<br>36.5 / 44 | 6.2 / 87 / 2.2 | 8.2 / 69.5 / 2.2<br>43.5 / 51 | 8.2 / 90.5 / 2.2 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | --<br>8 / 3<br>III / I | | | 52 / 10 | |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25 ... 4<br>0.25 ... 4<br>0.5 ... 1 | | | 0.25 ... 6<br>0.25 ... 6<br>0.5 ... 1.5 | |
| Stripped length in mm | 10 | | | 12 | |
| Plug gage (IEC 60947-1) | A4 | | | A5 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>-- / -- / 20-10<br>-- | | | <br><br>600 / 50 / 20-8 | |
| Support rails/protective conductor busbars | See section *Support rails* | See section *Support rails* | See section *Support rails* | -- | -- |

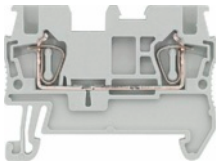
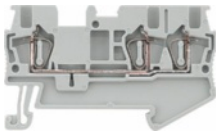
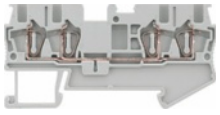
| | 8WH2 000-0CH07 | 8WH2 003-0CH07 | 8WH2 000-0AJ00<br>8WH2 000-0AJ01 | 8WH2 000-0CJ07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | 8.2 / 69.5 / 2.2<br>43.5 / 51 | 8.2 / 90.5 / 2.2 | 10 / 71.5 / 2.2<br>50.5 / 58 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | --<br>8 / 3<br>III / I | | 65 / 16 | |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25 ... 6<br>0.25 ... 6<br>0.5 ... 1.5 | | 0.25 ... 10<br>0.25 ... 10<br>1.5 ... 2.5 | |
| Stripped length in mm | 12 | | 18 | |
| Plug gage (IEC 60947-1) | A5 | | A6 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>-- / -- / 20-8<br>-- | | 600 / 65 / 16-6 | -- / -- / 16-6 |
| Support rails/protective conductor busbars | See section *Support rails* | See section *Support rails* | -- | See section *Support rails* |

| | 8WH2 000-0AK00<br>8WH2 000-0AK01 | 8WH2 000-0CK07 | 8WH2 000-0AM00<br>8WH2 000-0AM01 | 8WH2 000-0CM07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | 12 / 80 / 2.2<br>51 / 58.5 | | 16 / 100 / --<br>59 / 66.5 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | 90 / 25<br>8 / 3<br>III / I | | 125 / 35 | |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25... 16<br>0.25 ... 16<br>1.5 ... 4 | | 2.5 ... 35<br>2.5 ... 35<br>2.5 ... 10 | |
| Stripped length in mm | 18 | | 25 | |
| Plug gage (IEC 60947-1) | A7 | | A8 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>600 / 85 / 16-4<br>-- | <br><br>-- / -- / 16-4 | <br><br>600 / 115 / 14-2<br>600 / 115 / 14-2 | <br><br>-- / -- / 14-2<br>-- / -- / 14-2 |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 1.5 mm²** | | | | | | | |
| | **Through-type terminals, terminal size 1.5 mm²**<br>• Terminal width 4.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 1.5 mm²<br>- Flexible, 0.08 ... 1.5 mm²<br>- AWG 28-16<br>- *I* = 17.5 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V<br>• EN 50019<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>- AWG 26-16<br>- *I* = 17.5 A<br>- *U* = 420 V | | | | | | |
| | Versions | | | | | | |
|  8WH2 000-0AE00 | • Two clamping points | | | | | | |
| | - Gray | A | **8WH2 000-0AE00** | | 1 | 50 | 044 |
| | - Blue | A | **8WH2 000-0AE01** | | 1 | 50 | 044 |
| | - Orange | B | **8WH2 000-0AE04** | | 1 | 50 | 044 |
| | - Red | B | **8WH2 000-0AE02** | | 1 | 50 | 044 |
| | - Black | B | **8WH2 000-0AE08** | | 1 | 50 | 044 |
| | - Green | B | **8WH2 000-0AE03** | | 1 | 50 | 044 |
| | - White | B | **8WH2 000-0AE05** | | 1 | 50 | 044 |
| | - Yellow | B | **8WH2 000-0AE06** | | 1 | 50 | 044 |
|  8WH2 003-0AE00 | • Three clamping points | | | | | | |
| | - Gray, | A | **8WH2 003-0AE00** | | 1 | 50 | 044 |
| | - Blue | A | **8WH2 003-0AE01** | | 1 | 50 | 044 |
|  8WH2 004-0AE00 | • Four clamping points | | | | | | |
| | - Gray, | C | **8WH2 004-0AE00** | | 1 | 50 | 044 |
| | - Blue | C | **8WH2 004-0AE01** | | 1 | 50 | 044 |

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | |
| - *For two clamping points* | *Accessories* | 11/21 | C | **8WH9 000-1GA00** | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 11/21 | C | **8WH9 000-2GA00** | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/21 | C | **8WH9 000-4GA00** | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 ... 2.5 mm²* | *Accessories* | 11/21 | A | **8WH9 000-0GA00** | 100 | 10 | 044 |
| • *Warning covers, for terminal size 1.5 mm²* | *Accessories* | 11/21 | B | **8WH9 061-5AA06** | 100 | 50 | 044 |

11

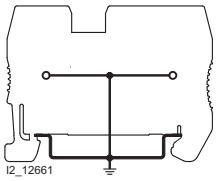
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

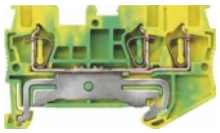


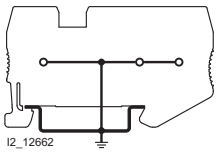
## 8WH through-type terminals


8WH2 000-0CE07

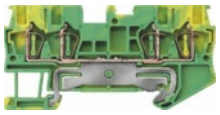


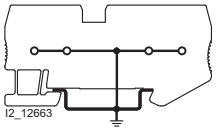
8WH2 000-0CE07


8WH2 003-0CE07



8WH2 003-0CE07


8WH2 004-0CE07



8WH2 004-0CE07

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Through-type PE terminals, terminal size 1.5 mm²**<br>• Terminal width 4.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 1.5 mm²<br>- Flexible, 0.08 ... 1.5 mm²<br>- AWG 28-16<br>• EN 50019<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>- AWG 26-16<br>• Green-yellow | | | | | | | | |
| Versions | | | | | | | | |
| • Two clamping points, | | | A | **8WH2 000-0CE07** | | 1 | 50 | 044 |
| • Three clamping points | | | A | **8WH2 003-0CE07** | | 1 | 50 | 044 |
| • Four clamping points, | | | C | **8WH2 004-0CE07** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 11/21 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 11/21 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/21 | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 ... 2.5 mm²* | *Accessories* | 11/21 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |

11

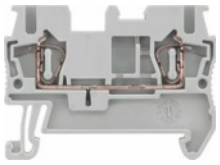


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



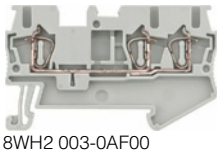
## Terminal size 2.5 mm²


8WH2 000-0AF00

**Through-type terminals, terminal size 2.5 mm², two clamping points**
- Terminal width 5.2 mm
- c UL us
- IEC 60947-7-1
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - *I* = 31 A
  - *U* = 800 V
- EN 50019
  - Rigid, 0.2 ... 4 mm²
  - Flexible, 0.2 ... 2.5 mm²
  - AWG 24-12
  - *I* = 25/21 A
  - *U* = 550 V

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Gray | A | **8WH2 000-0AF00** | | 1 | 50 | 044 |
| • Blue | A | **8WH2 000-0AF01** | | 1 | 50 | 044 |
| • Orange | B | **8WH2 000-0AF04** | | 1 | 50 | 044 |
| • Red | B | **8WH2 000-0AF02** | | 1 | 50 | 044 |
| • Black | B | **8WH2 000-0AF08** | | 1 | 50 | 044 |
| • Green | B | **8WH2 000-0AF03** | | 1 | 50 | 044 |
| • White | B | **8WH2 000-0AF05** | | 1 | 50 | 044 |
| • Yellow | B | **8WH2 000-0AF06** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal size 1.5 ... 4 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| • *Warning covers, for terminal size 2.5 mm²* | *Accessories* | 11/21 | B | **8WH9 060-5AA06** | | 100 | 50 | 044 |


8WH2 003-0AF00

**Through-type terminals, terminal size 2.5 mm², three clamping points**
- Terminal width 5.2 mm
- c UL us
- IEC 60947-7-1
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - *I* = 28 A
  - The total current through all connected conductors must not exceed the max. load current
  - *U* = 800 V
- EN 50019
  - Rigid, 0.2 ... 4 mm²
  - Flexible, 0.2 ... 2.5 mm²
  - AWG 24-12
  - *I* = 25/21 A
  - The total current through all connected conductors must not exceed the max. load current
  - *U* = 550 V

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Gray | A | **8WH2 003-0AF00** | | 1 | 50 | 044 |
| • Blue | A | **8WH2 003-0AF01** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal size 1.5 ... 4 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/21 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| • *Warning covers, for terminal size 2.5 mm²* | *Accessories* | 11/21 | B | **8WH9 060-5AA06** | | 100 | 50 | 044 |

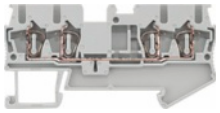
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals



8WH2 004-0AF00

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Through-type terminals, terminal size 2.5 mm², four clamping points**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>- *I* = 24/21 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 550 V | | | | | | |
| Versions | | | | | | |
| • Gray | C | **8WH2 004-0AF00** | | 1 | 50 | 044 |
| • Blue | C | **8WH2 004-0AF01** | | 1 | 50 | 044 |

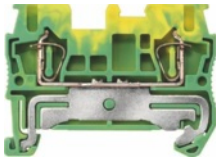
| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal size 1.5 ... 4 mm² and four clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0HA00** | | 100 | 50 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm² and four clamping points* | *Accessories* | 11/21 | C | **8WH9 000-4GA00** | | 100 | 50 044 |
| • *Cover segments, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/21 | A | **8WH9 000-0GA00** | | 100 | 10 044 |
| • *Warning covers, for terminal size 2.5 mm²* | *Accessories* | 11/21 | B | **8WH9 060-5AA06** | | 100 | 50 044 |

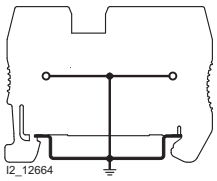


* You can order this quantity or a multiple thereof.

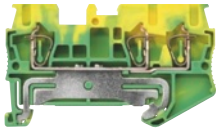
© Siemens AG 2010

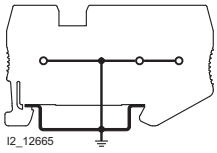



8WH2 000-0CF07

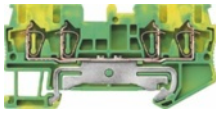


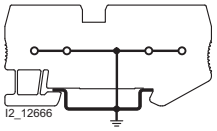
8WH2 000-0CF07


8WH2 003-0CF07



8WH2 003-0CF07


8WH2 004-0CF07



8WH2 004-0CF07

**Through-type PE terminals, terminal size 2.5 mm²**
- Terminal width 5.2 mm
- c UL us
- IEC 60947-7-2
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
- EN 50019
  - Rigid, 0.2 ... 4 mm²
  - Flexible, 0.2 ... 2.5 mm²
  - AWG 24-12
- Green-yellow

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Versions** | | | | | | | | |
| • Two clamping points | | | A | **8WH2 000-0CF07** | | 1 | 50 | 044 |
| • Three clamping points | | | A | **8WH2 003-0CF07** | | 1 | 50 | 044 |
| • Four clamping points | | | C | **8WH2 004-0CF07** | | 1 | 50 | 044 |
| **Accessories** | **Section** | **Page** | | | | | | |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 11/21 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 11/21 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/21 | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/21 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |

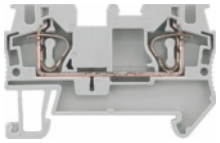
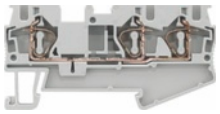
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

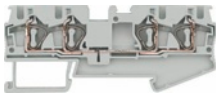
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 000-0AG00 | **Through-type terminals, terminal size 4 mm², two clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 40 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>- *I* = 34/30 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 000-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 000-0AG01** | | 1 | 50 | 044 |
| | • Orange | | | B | **8WH2 000-0AG04** | | 1 | 50 | 044 |
| | • Red | | | B | **8WH2 000-0AG02** | | 1 | 50 | 044 |
| | • Black | | | B | **8WH2 000-0AG08** | | 1 | 50 | 044 |
| | • Green | | | B | **8WH2 000-0AG03** | | 1 | 50 | 044 |
| | • White | | | B | **8WH2 000-0AG05** | | 1 | 50 | 044 |
| | • Yellow | | | B | **8WH2 000-0AG06** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 003-1GA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 4 mm²* | *Accessories* | 11/21 | B | **8WH9 063-5AA06** | | 100 | 50 | 044 |
|  8WH2 003-0AG00 | **Through-type terminals, terminal size 4 mm², three clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 40 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>- *I* = 34/29 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 003-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 003-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 003-2GA00** | | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 4 mm²* | *Accessories* | 11/21 | C | **8WH9 003-0GA00** | | 100 | 10 | 044 |
| | • *Warning covers, for terminal size 4 mm²* | *Accessories* | 11/21 | B | **8WH9 063-5AA06** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

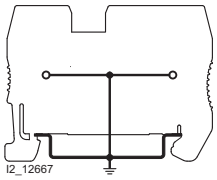



8WH2 004-0AG00

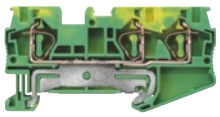
**Through-type terminals, terminal size 4 mm², four clamping points**
- Terminal width 6.2 mm
- c UL us
- IEC 60947-7-1
  - Rigid, 0.08 ... 6 mm²
  - Flexible, 0.08 ... 4 mm²
  - AWG 28-10
  - *I* = 40 A
  - The total current through all connected conductors must not exceed the max. load current
  - *U* = 800 V
- EN 50019
  - Rigid, 0.2 ... 6 mm²
  - Flexible, 0.2 ... 4 mm²
  - AWG 24-10
  - *I* = 34/25 A
  - The total current through all connected conductors must not exceed the max. load current
  - *U* = 550 V

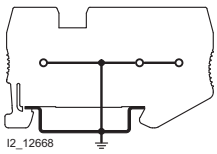
| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Gray | | | C | **8WH2 004-0AG00** | | 1 | 50 | 044 |
| • Blue | | | C | **8WH2 004-0AG01** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Compartment partitions, for terminal size 1.5 ... 4 mm² and four clamping points* | *Accessories* | 11/21 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 4 mm² and four clamping points* | *Accessories* | 11/21 | C | **8WH9 003-4GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 4 mm²* | *Accessories* | 11/21 | C | **8WH9 003-0GA00** | | 100 | 10 | 044 |
| • *Warning covers, for terminal size 4 mm²* | *Accessories* | 11/21 | B | **8WH9 063-5AA06** | | 100 | 50 | 044 |


8WH2 000-0CG07

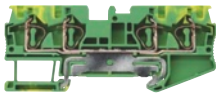


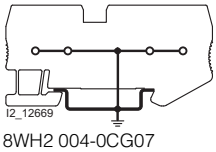
8WH2 000-0CE07


8WH2 003-0CG07



8WH2 003-0CG07


8WH2 004-0CG07



8WH2 004-0CG07

**Through-type PE terminals, terminal size 4 mm²**
- Terminal width 6.2 mm
- c UL us
- IEC 60947-7-2
  - Rigid, 0.08 ... 6 mm²
  - Flexible, 0.08 ... 4 mm²
  - AWG 28-10
- EN 50019
  - Rigid, 0.2 ... 6 mm²
  - Flexible, 0.2 ... 4 mm²
  - AWG 24-10
- Green-yellow

| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Two clamping points | | | A | **8WH2 000-0CG07** | | 1 | 50 | 044 |
| • Three clamping points | | | A | **8WH2 003-0CG07** | | 1 | 50 | 044 |
| • Four clamping points | | | C | **8WH2 004-0CG07** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Covers, for terminal size 4 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 11/21 | C | **8WH9 003-1GA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 11/21 | C | **8WH9 003-2GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/21 | C | **8WH9 003-4GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 4 mm²* | *Accessories* | 11/21 | C | **8WH9 003-0GA00** | | 100 | 10 | 044 |

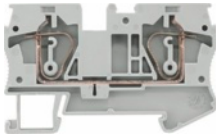
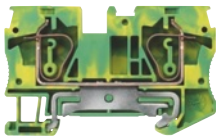
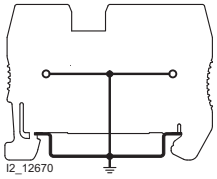
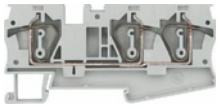
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

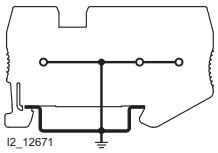
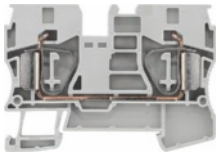
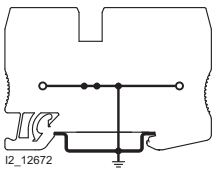
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WH2 000-0AH00 | **Through-type terminals, terminal size 6 mm², two clamping points**<br>• Terminal width 8.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>- *I* = 52 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.5 ... 10 mm²<br>- Flexible, 0.5 ... 6 mm²<br>- AWG 20-8<br>- *I* = 45/36 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 000-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 000-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 6 mm²* | *Accessories* | 11/21 | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 6 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 004-1GA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 6 mm²* | *Accessories* | 11/21 | B | **8WH9 064-5AA06** | | 100 | 10 | 044 |
|  8WH2 000-0CH07 | **Through-type PE terminals, terminal size 6 mm², two clamping points**<br>• Terminal width 8.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>• EN 50019<br>- Rigid, 0.5 ... 10 mm²<br>- Flexible, 0.5 ... 6 mm²<br>- AWG 20-8<br>• Green-yellow | | | A | **8WH2 000-0CH07** | | 1 | 50 | 044 |
|  I2_12670 8WH2 000-0CE07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 6 mm² and two clamping points* | *Accessories* | 11/21 | C | **8WH9 004-1GA00** | | 100 | 50 | 044 |
|  8WH2 003-0AH00 | **Through-type terminals, terminal size 6 mm², three clamping points**<br>• Terminal width 8.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>- *I* = 52 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.5 ... 10 mm²<br>- Flexible, 0.5 ... 6 mm²<br>- AWG 20-8<br>- *I* = 46/36 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 003-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 003-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 6 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 004-2GA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 6 mm²* | *Accessories* | 11/21 | B | **8WH9 064-5AA06** | | 100 | 10 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU | PS*/ P. unit | PG |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Unit(s) | Unit(s) | |
|  8WH2 003-0CH07 | **Through-type PE terminals, terminal size 6 mm², three clamping points**<br>• Terminal width 8.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>• EN 50019<br>- Rigid, 0.5 ... 10 mm²<br>- Flexible, 0.5 ... 6 mm²<br>- AWG 20-8<br>• Green-yellow | | | A | **8WH2 003-0CH07** | | 1 | 50 | 044 |
|  8WH2 003-0CE07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 6 mm² and three clamping points* | *Accessories* | 11/21 | C | **8WH9 004-2GA00** | | 100 | 50 | 044 |
| **Terminal size 10 mm²** | | | | | | | | | |
|  8WH2 000-0AJ00 | **Through-type terminals, terminal size 10 mm²**<br>• Terminal width 10.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>- AWG 24-6<br>- *I* = 65 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>- AWG 16-6<br>- *I* = 50/63 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 000-0AJ00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 000-0AJ01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 10 mm²* | *Accessories* | 11/21 | C | **8WH9 005-1GA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 10 mm²* | *Accessories* | 11/21 | B | **8WH9 065-5AA06** | | 100 | 25 | 044 |
|  8WH2 000-0CJ07 | **Through-type PE terminals, terminal size 10 mm²**<br>• Terminal width 10.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>- AWG 24-6<br>- *I* = 65 A<br>• EN 50019<br>- Rigid, 1.5 ... 16 mm²<br>- Flexible, 1.5 ... 10 mm²<br>- AWG 16-6<br>• Green-yellow | | | A | **8WH2 000-0CJ07** | | 1 | 50 | 044 |
|  8WH2 000-0CJ07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 10 mm²* | *Accessories* | 11/21 | C | **8WH9 005-1GA00** | | 100 | 50 | 044 |

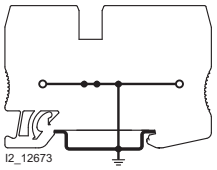
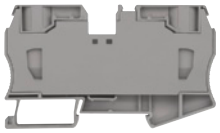
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

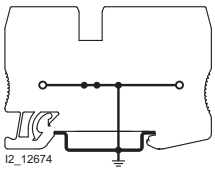
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 16 mm²** | | | | | | | | | |
|  8WH2 000-0AK00 | **Through-type terminals, terminal size 16 mm²**<br>• Terminal width 12 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 16 mm²<br>- AWG 24-4<br>- *I* = 90 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 16 mm²<br>- AWG 16-4<br>- *I* = 65/82 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 000-0AK00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 000-0AK01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 16 mm²* | *Accessories* | 11/21 | C | **8WH9 006-1GA00** | | 100 | 50 | 044 |
| | • *Warning covers, for terminal size 16 mm²* | *Accessories* | 11/21 | B | **8WH9 066-5AA06** | | 100 | 25 | 044 |
|  8WH2 000-0CK07 | **Through-type PE terminals, terminal size 16 mm²** | | | C | **8WH2 000-0CK07** | | 1 | 25 | 044 |
| | • Terminal width 12 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 16 mm²<br>- AWG 24-4<br>- *I* = 90 A<br>• EN 50019<br>- Rigid, 1.5 ... 25 mm²<br>- Flexible, 1.5 ... 16 mm²<br>- AWG 16-4<br>• Green-yellow | | | | | | | | |
|  8WH2 000-0CK07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 16 mm²* | *Accessories* | 11/21 | C | **8WH9 006-1GA00** | | 100 | 50 | 044 |
| **Terminal size 35 mm²** | | | | | | | | | |
|  8WH2 000-0AM00 | **Through-type terminals, terminal size 35 mm²**<br>• Terminal width 16 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 2.5 ... 35 mm²<br>- Flexible, 2.5 ... 35 mm²<br>- AWG 14-2<br>- *I* = 125 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 2.5 ... 35 mm²<br>- Flexible, 2.5 ... 35 mm²<br>- AWG 14-2<br>- *I* = 108 A<br>- *U* = 750 V<br>• Enclosed at both ends | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray, | | | C | **8WH2 000-0AM00** | | 1 | 10 | 044 |
| | • Blue | | | C | **8WH2 000-0AM01** | | 1 | 10 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH2 000-0CM07   8WH2 000-0CM07 | **Through-type PE terminals, terminal size 35 mm²**<br>• Terminal width 16 mm<br>• c UL us, CB<br>• IEC 60947-7-2<br>- Rigid, 2.5 ... 35 mm²<br>- Flexible, 2.5 ... 35 mm²<br>- AWG 14-2<br>- *I* = 125 A<br>• EN 50019<br>- Rigid, 2.5 ... 35 mm²<br>- Flexible, 2.5 ... 35 mm²<br>- AWG 14-2<br>• Enclosed at both ends<br>• Green-yellow | C | **8WH2 000-0CM07** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 070-0AA00 | **Compartment partitions**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 1.5 ... 4 mm² and two clamping points | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • For terminal sizes 1.5 ... 4 mm² and three clamping points | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • For terminal size 1.5 ... 4 mm² and four clamping points | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
| | **Covers**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 1.5 ... 2.5 mm² and two clamping points | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| | • For terminal sizes 1.5 ... 2.5 mm² and three clamping points | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| | • For terminal size 1.5 ... 2.5 mm² and four clamping points | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and two clamping points | C | **8WH9 003-1GA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and three clamping points | C | **8WH9 003-2GA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and four clamping points | C | **8WH9 003-4GA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² and two clamping points | C | **8WH9 004-1GA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² and three clamping points | C | **8WH9 004-2GA00** | | 100 | 50 | 044 |
| | • For terminal size 10 mm² | C | **8WH9 005-1GA00** | | 100 | 50 | 044 |
| | • For terminal size 16 mm² | C | **8WH9 006-1GA00** | | 100 | 50 | 044 |
|  8WH9 000-0GA00 | **Cover segments**<br>• Gray<br>• For covering multi-wire terminals when mounting two-wire terminals side-by-side | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 1.5 ... 2.5 mm² | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| | • For terminal size 4 mm² | C | **8WH9 003-0GA00** | | 100 | 10 | 044 |
|  8WH9 061-5AA06 | **Warning covers**<br>For the operating shafts of 8WH through-type terminals | | | | | | |
| | Versions | | | | | | |
| | • For terminal size 1.5 mm² | B | **8WH9 061-5AA06** | | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² | B | **8WH9 060-5AA06** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | B | **8WH9 063-5AA06** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² | B | **8WH9 064-5AA06** | | 100 | 10 | 044 |
| | • For terminal size 10 mm² | B | **8WH9 065-5AA06** | | 100 | 25 | 044 |
| | • For terminal size 16 mm² | B | **8WH9 066-5AA06** | | 100 | 25 | 044 |
| | • For terminal size 35 mm² | B | **8WH9 067-5AA06** | | 100 | 10 | 044 |

11

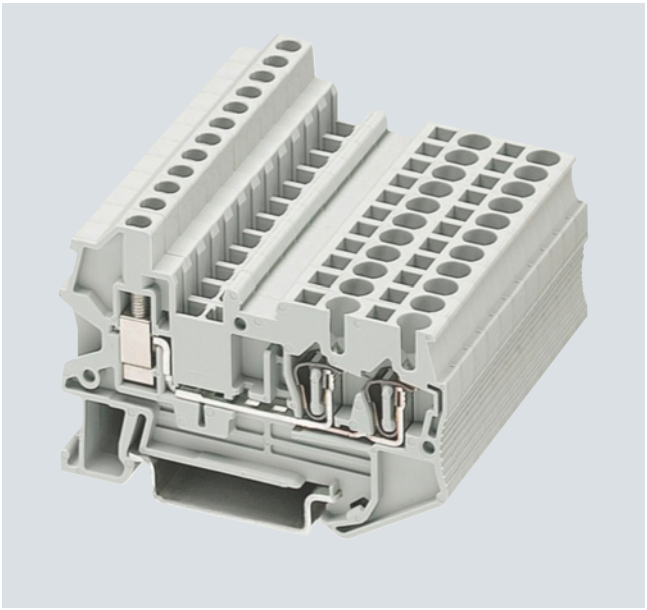
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH hybrid through-type terminals

### Overview



The terminal connection compartment, on the tension spring side as well as the screw side, enables connection to a nominal cross-section of 2.5 mm² or 4 mm², with or without end sleeves. The advantages of the different connection types result from the fact that the spring-loaded terminal of the hybrid through-type terminal is used inside the control cabinet and the universal screw connection is used at the end-user's side. A PE terminal with the same contour is available for the three-conductor terminal. Contact is made by simply snapping the terminal onto the support rail. This meets the requirements of IEC 60947-7-2:

- Low contact resistance
- Non-corroding clamping points
- Green-yellow enclosure
- Additional inscription options

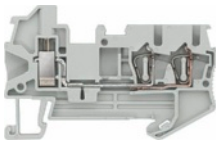
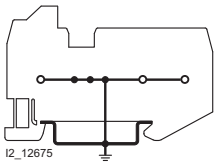
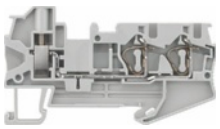
### Technical specifications

| | 8WH2 103-2BF00<br>8WH2 103-2BF01 | 8WH2 103-3BF07 | 8WH2 103-2BG00<br>8WH2 103-2BG01 | 8WH2 103-3BG07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | <br>5.2 / 65.3 / 2.2<br>42.8 / 50.3 | | <br>6.2 / 74.4 / 2.2 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>28 / 4<br>8 / 3<br>III / I | -- | <br>32 / 6 | -- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 ... 1 | | <br>0.25 ... 4<br>0.25 ... 4 | |
| Stripped length in mm | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Connection capacity of screw connection<br>• Flexible with end sleeves with/without plastic sleeve in mm² | <br>0.25 ... 2.5 / 0.25 ... 2.5 | | <br>0.25 ... 4 / 0.25 ... 4 | |
| Multi-conductor connection (two conductors of same cross-section)<br>• Rigid/flexible in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.14 ... 1.5 / 0.14 ... 1.5<br>0.25 ... 1.5<br>0.5 ... 1.5 | | <br><br>0.5 ... 2.5 | |
| Stripped length in mm | 9 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>Applied for<br>Applied for | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

© Siemens AG 2010



## Selection and ordering data

| Version | | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 103-2BF00 | **Hybrid through-type terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• IEC 60947-7-1<br>• Spring<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• Screw<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>- AWG 26-14<br>- *I* = 28 A<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 103-2BF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 103-2BF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and three clamping points* | *Accessories* | 11/24 | C | **8WH9 000-2HA00** | | 100 | 50 | 044 |
|  8WH2 103-3BF07 | **Hybrid through-type PE terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• IEC 60947-7-2<br>• Spring<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• Screw<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>- AWG 26-14 | | | C | **8WH2 103-3BF07** | | 1 | 50 | 044 |
|  8WH2 103-3BF07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and three clamping points* | *Accessories* | 11/24 | C | **8WH9 000-2HA00** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 103-2BG00 | **Hybrid through-type terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• IEC 60947-7-1<br>• Spring<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• Screw<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 4 mm²<br>- AWG 26-10<br>- *I* = 32 A<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 103-2BG00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 103-2BG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and three clamping points* | *Accessories* | 11/24 | C | **8WH9 003-2HA00** | | 100 | 50 | 044 |

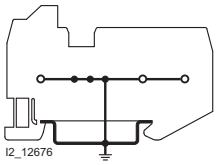


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH hybrid through-type terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH2 103-3BG07 | **Hybrid through-type PE terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• IEC 60947-7-2<br>• Spring<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• Screw<br>- Rigid, 0.14 ... 6 mm²<br>- Flexible, 0.14 ... 4 mm²<br>- AWG 26-10 | C | **8WH2 103-3BG07** | | 1 | 50 | 044 |
|  8WH2 103-3BG07 | Accessories — Section — Page<br>*Covers, for terminal size 4 mm² and three clamping points* — *Accessories* — 11/24 | C | **8WH9 003-2HA00** | | 100 | 50 | 044 |

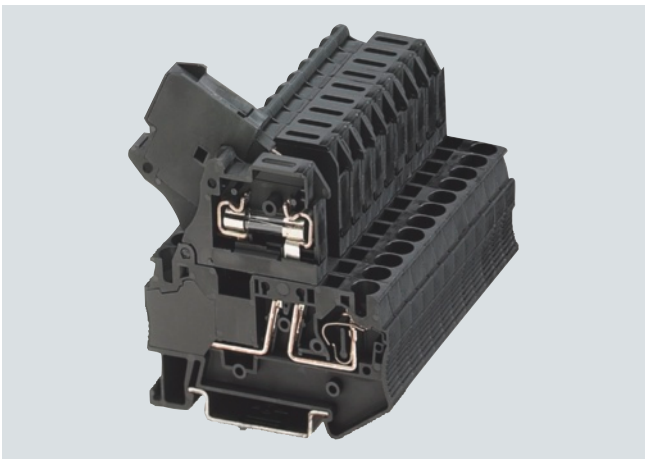
### Accessories

| | | | | | | | |
|---|---|---|---|---|---|---|---|
|  8WH9 000-2HA00 | **Covers**<br>Gray<br>Versions | | | | | | |
| | • For terminal size 2.5 mm² and three clamping points | C | **8WH9 000-2HA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and three clamping points | C | **8WH9 003-2HA00** | | 100 | 50 | 044 |

## 8WH fuse terminals

11

### Overview



#### *Fuse terminals for blade-type fuses*

The fuse terminals for blade-type fuses use blade-type fuses to ISO/DIS 8820 / DIN 72581-3 as fuse elements. Terminals with LED display are available for fast fault diagnosis "at a glance".

#### *Fuse terminals for G fuse links*

Fuse terminals perform two important tasks in connected electrical systems. Firstly, they act as a fuse carrier and, secondly, as a potential distributor.

The full-length bridge slot enables uninterrupted linking between the through-type terminals and the fuse terminals.

Fuse terminals for G fuse links are available for standardized electrical fuse formats 5 x 20 mm and 6.3 x 32 mm (inch fuse) – and are optionally available with LED display to signal a blown fuse.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Technical specifications

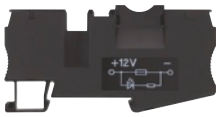
| | 8WH2 000-1AG08<br>8WH2 000-1BG28<br>8WH2 000-1BG38 | 8WH2 000-1GG08<br>8WH2 000-1JG38<br>8WH2 000-1JG68<br>8WH2 000-1MG08 | 8WH2 000-1HG08<br>8WH2 000-1NG38<br>8WH2 000-1NG68<br>8WH2 000-1RG08 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length in mm | 8.2 / 86.5 | 6.2 / 61.5 | 8.2 / 76.5 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43.5 / 51 | 62.5 / 70 | 69 / 76.5 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Fuse type ISO/DIS 8820 / DIN 72581-3 / -dimensions- / in mm | C | G / 5 x 20 | G / 6.3 x 32 |
| • Maximum current for single arrangement in A | 30 | 3.3 | 10 |
| Max power loss at 23 °C acc. to IEC 60647-7-3 in W [1] | | | |
| • *U* in V | -- | 250 | 400 |
| • Overload protection | | | |
| - Individually in W | -- | 1.6 | |
| - As group in W | -- | 1.6 | |
| • Without short-circuit protection | | | |
| - Individually in W | -- | 4 | |
| - As group in W | -- | 2.5 | |
| • $I_{max}$ in A | -- | 6.3 | 10 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | 4 / 3 | 6 / 3 |
| • Overvoltage category / insulating group | III / I | | |
| Connection capacities | | | |
| • Flexible with end sleeve without/with plastic sleeve in mm² | 0.25 ... 4 / 0.25 ... 4 | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | |
| Stripped length in mm | 10 | | |
| Plug gage (IEC 60947-1) | A4 | A3 | A4 |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: in V/A / AWG | 600 / 30 / 24-10 | 300 / 6.3 / 24-10 | 300 / 10 / 24-10 |
| - CSA: in V/A / AWG | -- | | |

[1] Please note: G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders. Higher ambient temperatures add to the load of the fuse links. so that the offset of the rated current must also be taken into account. When selecting G fuse links, make sure that they do not exceed the specified maximum power loss. For specification details, contact the fuse manufacturer.

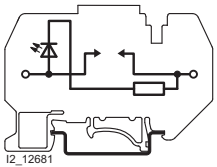
## Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | |
| **Fuse terminals, terminal size 4 mm², for blade-type fuses according to ISO/DIS8820/DIN72581-3**<br>• Terminal width 8.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 30 A<br>- *U* = 400 V<br>• Enclosed at both ends | | | | | | |
| Versions | | | | | | |
| • Without LED display | C | **8WH2 000-1AG08** | | 1 | 50 | 044 |
| • LED display 12 V | C | **8WH2 000-1BG28** | | 1 | 50 | 044 |
| • LED display 24 V | C | **8WH2 000-1BG38** | | 1 | 50 | 044 |


8WH2 000-1AG08



8WH2 000-1BG28



8WH2 000-1BG28

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH fuse terminals


8WH2 000-1GG08


8WH2 000-1JG38


8WH2 000-1HG08


8WH9 070-0AA00

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **Fuse terminals, terminal size 4 mm², for G fuse links 5 x 20 mm**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-3<br>• With fuse<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- $I_{max}$ = 6.3 A, only short-circuit protection, stand-alone 4 W, group 2.5 W<br>- $U$ = 250 V, overload protection, stand-alone 4 W, group 1.6 W<br>• As isolating terminal<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- $I$ = 6.3 A<br>- $U$ = 250 V<br>• Enclosed at both ends | | | | | | | | |
| | Versions | | | | | | | | |
| | • Without LED display | | | C | **8WH2 000-1GG08** | | 1 | 50 | 044 |
| | • LED display 15 ... 30 V | | | C | **8WH2 000-1JG38** | | 1 | 50 | 044 |
| | • LED display 30 ... 60 V | | | C | **8WH2 000-1JG68** | | 1 | 50 | 044 |
| | • LED display 110 ... 250 V | | | C | **8WH2 000-1MG08** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Compartment partitions, for terminal sizes 1.5 and 4 mm² and two clamping points* | *Accessories* | 11/26 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | **Fuse terminals, terminal size 4 mm², for G fuse links 6.3 x 32 mm (inch fuses)**<br>• Terminal width 8.2 mm<br>• c UL us<br>• IEC 60947-7-3<br>• With fuse<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- $I$ = 10 A<br>- $U$ = 400 V<br>- Current and voltage are determined by the fitted fuse or the selected LED display<br>• As isolating terminal<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- $I$ = 10 A<br>- $U$ = 400 V<br>• Enclosed at both ends | | | | | | | | |
| | Versions | | | | | | | | |
| | • Without LED display | | | C | **8WH2 000-1HG08** | | 1 | 50 | 044 |
| | • With LED display 100 to 250 V | | | C | **8WH2 000-1RG08** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Compartment partitions, for terminal sizes 1.5 and 4 mm² and three clamping points* | *Accessories* | 11/26 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| | **Accessories** | | | | | | | | |
| | **Compartment partitions, for terminal sizes 1.5 and 4 mm²** | | | | | | | | |
| | Versions | | | | | | | | |
| | • Two clamping points | | | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • Three clamping points | | | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control.

Key features of these isolating blade terminals with a nominal cross-section of 2.5 mm² are their narrow width of only 5.2 mm and their high current carrying capacity of 16 A. In addition, the terminals provide a test pick-off parallel to the isolating point for 2.3-mm ⌀ test plugs. Potential distributors can be conveniently built with connecting combs.

Terminals with three and four clamping points are available for multi-conductor connection. With their compact design these terminals can also be used in small terminal boxes and their front connection arrangement enables user-friendly wiring.

The isolating blade is secured to the terminal so that it cannot be lost.

## Technical specifications

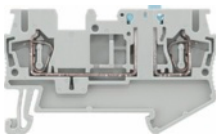
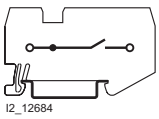
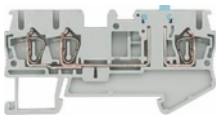
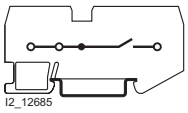
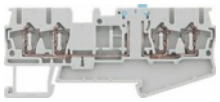
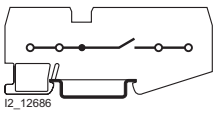
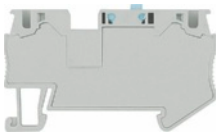
| | 8WH2 000-6CF00 | 8WH2 500-6CF00 | 8WH2 003-6CF00 | 8WH2 004-6CF00<br>8WH2 004-6CF01 | 8WH2 000-6CG00 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 60.5 / 2.2 | 5.2 / 51 / 2.2 | 5.2 / 72 / 2.2 | 5.2 / 84 / 2.2 | 6.2 / 61.5 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 36.5 / 44 | 43 / 50.5 | 36.5 / 44 | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 16 / 4 | | | | 16 / 6 |
| • Maximum // rated data in A / mm² | -- | | | | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25... 2.5 | | | | 0.25 ... 4 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | | | 0.25 ... 4 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A4 | A3 | A4 | A3 | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 600 / 16 / 26-12 | 600 / 16 / 24-12 | 600 / 16 / 26-12 | | 300 / 6.3 / 24-10 |
| - CSA: in V/A / AWG | -- | | | | |

© Siemens AG 2010



## 8WH isolating blade terminals

### Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | |
|  8WH2 000-6CF00<br>  I2_12684 8WH2 000-6CF00<br>  8WH2 003-6CF00<br>  I2_12685 8WH2 003-6CF00<br>  8WH2 004-6CF00<br>  I2_12686 8WH2 004-6CF00 / -6CF01 | **Isolating blade terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 16 A<br>- *U* = 400 V<br>• Screw (only for 3 and 4 clamping points)<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>- AWG 26-14 | | | | | |
| Versions | | | | | | |
| • Gray | | | | | | |
| - Two clamping points | C | **8WH2 000-6CF00** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH2 003-6CF00** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH2 004-6CF00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Four clamping points | C | **8WH2 004-6CF01** | | 1 | 50 | 044 |
| Note | | | | | | |
| On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current. | | | | | | |
| Accessories | Section | Page | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | | | | | | |
| - *Three clamping points* | *Accessories* | 11/29 | C | **8WH9 070-0GA00** | 100 | 50 044 |
| - *Four clamping points* | *Accessories* | 11/29 | C | **8WH9 070-0HA00** | 100 | 50 044 |
| • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 11/29 | C | **8WH9 010-0EB02** | 1 | 10 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | |
| - *For two clamping points* | *Accessories* | 11/29 | C | **8WH9 000-2GA00** | 100 | 50 044 |
| - *For three clamping points* | *Accessories* | 11/29 | C | **8WH9 000-4GA00** | 100 | 50 044 |
| - *For four clamping points* | *Accessories* | 11/29 | C | **8WH9 000-5GA00** | 100 | 50 044 |
| • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 11/29 | A | **8WH9 000-0GA00** | 100 | 10 044 |
|  8WH2 000-6CG00 | **Isolating blade terminals, terminal size 4 mm², two clamping points**<br>• Gray<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 16 A<br>- *U* = 400 V<br>• Enclosed at both ends | C | **8WH2 000-6CG00** | 1 | 50 | 044 |
| Accessories | Section | Page | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and two clamping points* | *Accessories* | 11/29 | C | **8WH9 070-0AA00** | 100 | 50 044 |
| • *Lateral mounting test plugs, for terminal width 6.2 mm* | *Accessories* | 11/29 | C | **8WH9 010-0FB02** | 1 | 10 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH isolating blade terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 070-0AA00 | **Compartment partitions, for terminal sizes 1.5 ... 4 mm²** | | | | | | |
| | Versions | | | | | | |
| | • Two clamping points | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • Three clamping points | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • Four clamping points | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| | **Lateral mounting test plugs** | | | | | | |
| | Versions | | | | | | |
| | • For terminal width 5.2 mm | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| | **Covers, for terminal sizes 1.5 ... 2.5 mm²** | | | | | | |
| | Versions | | | | | | |
| | • For two clamping points | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| | • For three clamping points | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| | • For four clamping points | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
|  8WH9 000-0GA00 | **Cover segments, for terminal size 2.5 mm² and three or four clamping points** | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |

## 8WH isolating terminals



### Overview



The isolating terminals are available with the same contour as the isolating blade terminals. Key features of the terminals are their narrow width of only 5.2 mm and their high current load rating of 16 A.

There is a test possibility for 2.3 mm ⌀ test plugs on both sides of the isolating point.

The slim 6.2 mm isolating terminal with terminal size 4 mm² is a base terminal and is used for holding:

- Isolating plugs
- Through-type connectors
- Fused connectors
- Component connectors

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



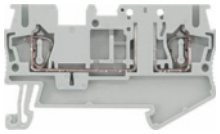
## 8WH isolating terminals

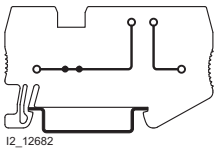
### Technical specifications

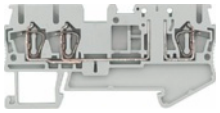
| | 8WH2 000-6AF00 | 8WH2 500-6AF00 | 8WH2 003-6AF00 | 8WH2 004-6AF00 | 8WH2 000-6AG00 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 60.5 / 2.2 | 5.2 / 51 / 2.2 | 5.2 / 72 / 2.2 | 5.5 / 84 / 2.2 | 6.2 / 61.5 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 36.5 / 44 | 43 / 50.5 | 36.5 / 44 | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 16 / 4 | | | | 16 / 6 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Connection capacities | | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | | | 0.25 ... 4 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | | | 0.25 ... 4 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A3 | | | | A4 |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 300 / 16 / 26-12 | 300 / 16 / 24-12 | 300 / 16 / 26-12 | | 300 / 6.3 / 24-10 |
| - CSA: in V/A / AWG | -- | | | | |

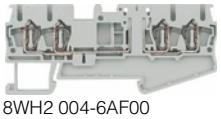
### Selection and ordering data

**Terminal size 2.5 mm²**


8WH2 000-6AF00


I2_12682
8WH2 000-6AF00


8WH2 003-6AF00


8WH2 004-6AF00

**Isolating terminals, terminal size 2.5 mm²**
- Gray
- Terminal width 5.2 mm
- c UL us
- IEC 60947-7-1
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - Current and voltage are determined by the fitted plug
  - *I* = 16 A
  - *U* = 400 V

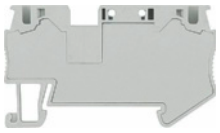
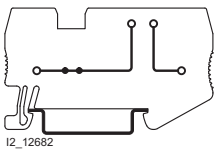
| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Versions** | | | | | | |
| • Two clamping points | C | **8WH2 000-6AF00** | | 1 | 50 | 044 |
| • Three clamping points | C | **8WH2 003-6AF00** | | 1 | 50 | 044 |
| • Four clamping points | C | **8WH2 004-6AF00** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal size 2.5 mm²* | | | | | | | | |
| - *For three clamping points* | *Accessories* | 11/31 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/31 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 11/31 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 11/31 | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 11/31 | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal sizes 1.5 and 2.5 mm² and three or four clamping points* | *Accessories* | 11/31 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| • *Plug-in zone connectors* | | | | | | | | |
| - *Isolating plugs* | *Accessories* | 11/31 | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| - *Through-type connectors* | *Accessories* | 11/31 | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| - *Fused connectors, without LED display* | *Accessories* | 11/31 | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| - *Component connectors* | *Accessories* | 11/31 | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 000-6AG00 | **Isolating terminals, terminal size 4 mm², two clamping points**<br>• Gray<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- Current and voltage are determined by the fitted plug<br>- $I$ = 16 A<br>- $U$ = 400 V<br>• Enclosed at both ends | | | C | **8WH2 000-6AG00** | | 1 | 50 | 044 |
|  I2_12682 8WH2 000-6AG00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 4 mm² and two clamping points* | *Accessories* | 11/31 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • *Plug-in zone connectors* | | | | | | | | |
| | - *Isolating plugs* | *Accessories* | 11/31 | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| | - *Through-type connectors* | *Accessories* | 11/31 | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| | - *Fused connectors, without LED display* | *Accessories* | 11/31 | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | - *Component connectors* | *Accessories* | 11/31 | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
| | **Compartment partitions** | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² | | | | | | | | |
| | - For three clamping points | | | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | - For four clamping points | | | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | | | | | | | | |
| | - For two clamping points | | | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | **Covers**<br>Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal sizes 1.5 ... 2.5 mm² and two clamping points | | | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² and three clamping points | | | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² and four clamping points | | | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
|  8WH9 000-0GA00 | **Cover segments, for terminal sizes 1.5 and 2.5 mm² and three or four clamping points**<br>Gray | | | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| | **Plug-in zone connectors** | | | | | | | | |
|  8WH9 040-0DB04 | Versions | | | | | | | | |
| | • Isolating plugs<br>- Orange | | | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
|  8WH9 020-8AB00 | • Through-type connectors<br>- Gray<br>- $I_{max}$: 16 A | | | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| | • Fused connectors, without LED display<br>- Black<br>- $I_{max}$: 6.3 A | | | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | Note<br>- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links. In this case, take the offset of the rated current into account. | | | | | | | | |
|  8WH9 040-3DB08 | • Component connectors<br>- $I_{max}$: 6 A, depending on the power loss of the components, max. 1 W with single arrangement<br>- Facility for inscription with ZBF 5 | | | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |
|  8WH9 040-0BB00 | | | | | | | | | |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH two-tier terminals

### Overview



#### *Standard two-tier terminals*

With the two voltage levels routed through two separate tiers, the two-tier terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, connecting combs can be fitted to both tiers of the spring-loaded terminal series. Facilities for inscription are provided at each clamping point.

#### *PE/ground conductor function*

Perfect mechanical and electrical contact with the support rail is assured by simply snapping the terminals onto the rail.

The PE two-tier terminals meet all the requirements of IEC 60947-7-2:

- Low contact resistance
- Non-corroding clamping points
- Green-yellow enclosure
- Additional inscription options

#### *PE/L and PE/N types*

The PE/L and PE/N types provide a PE/ground contact to the support rail in the lower tier. The upper tier is designed as a through-type tier. Color coding of the PE and neutral tiers enables clear and unambiguous distribution of the potential.

### Technical specifications

| | **8WH2 020-0AE00<br>8WH2 020-0AE01<br>8WH2 025-0AE00** | **8WH0 020-0CE07** | **8WH2 020-0AF00<br>8WH2 020-0AF01<br>8WH2 025-0AF00** | **8WH2 023-0AF00<br>8WH2 023-0AF01<br>8WH2 022-0AF00** | **8WH2 020-0CF07** |
|---|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | 4.2 / 67.5 / 2.2<br>47.5 / 55 | | 5.2 / 67.5 / 2.2 | 5.2 / 91.5 / 2.2 | 5.2 / 67.5 / 2.2 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Maximum // rated data in A / mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | 17.5 / 1.5<br>--<br>6 / 3<br>III / I | -- | 26 / 4 | --<br>26 / 4 // 22 / 2.5 | --<br>-- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible without end sleeve with plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25 ... 1.5<br>0.25 ... 1.5<br>0.5 | | 0.25 ... 2.5<br>0.25 ... 2.5 | | |
| Stripped length in mm | 10 | | | | |
| Plug gage (IEC 60947-1) | A1 | | A3 | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br>300 / 15 / 26-14<br>300 / 15 / 26-14 | <br>-- / -- / 26-14<br>-- / -- / 26-14 | <br>600 / 20 / 26-12<br>-- | <br>300 / 20 / 26-12 | <br>-- / -- / 26-12<br>-- / -- / 26-12 |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | | See section *Support rails* |

© Siemens AG 2010



| | 8WH2 023-0CF07 | 8WH2 020-4AF00 | 8WH2 020-4BF00 |
|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | <br>5.2 / 91.5 / 2.2<br>47.5 / 55 | <br>5.2 / 67.5 / 2.2 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>--<br>6 / 3<br>III / I | <br>32 / 4 | |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | | |
| Stripped length in mm | 10 | | |
| Plug gage (IEC 60947-1) | A3 | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>-- / -- / 26-12<br>-- / -- / 26-12 | <br><br>300 / 20 / 26-12<br>-- | <br><br>-- |
| Support rails/protective conductor busbars | See section *Support rails* | -- | |

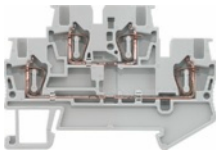
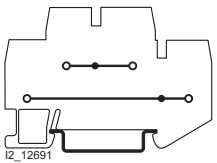
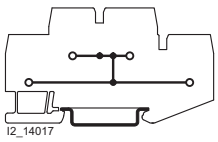
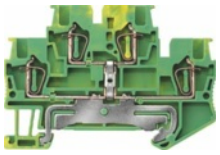
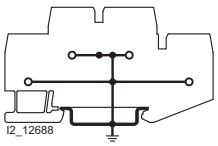
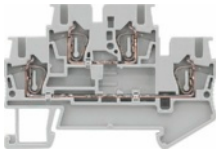
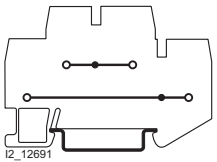
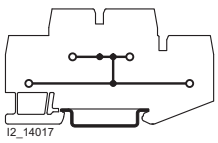
| | 8WH2 020-4CF00 | 8WH2 020-0AG00<br>8WH2 020-0AG01<br>8WH2 025-0AG00 | 8WH2 020-0CG07 |
|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (NS 35/7.5 / NS 35/15) in mm | <br>5.2 / 67.5 / 2.2<br>47.5 / 55 | <br>6.2 / 83.5 / 2.2 | 6.2 / 83.5 / 2.2 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>26 / 4<br>6 / 3<br>III / I | <br>32 / 6 | -- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | <br>0.25 ... 4<br>0.25 ... 4<br>0.5 ... 1 | <br>0.25 ... 4<br>0.25 ... 4<br>0.5 ... 1 |
| Stripped length in mm | 10 | | |
| Plug gage (IEC 60947-1) | A3 | A4 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in AWG<br>- CSA: in AWG | <br><br>300 / 20 / 26-12<br>-- / -- / 26-12 | <br><br>300 / 30 / 20-10 | <br><br>20-10<br>20-10 |
| Support rails/protective conductor busbars | -- | | See section *Support rails* |

© Siemens AG 2010



## 8WH two-tier terminals

### Selection and ordering data

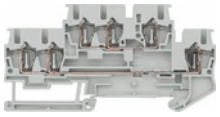
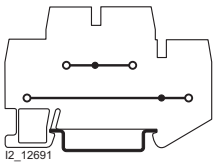
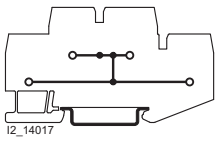
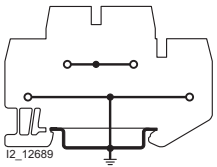
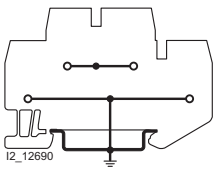
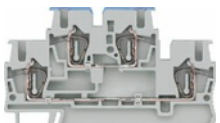
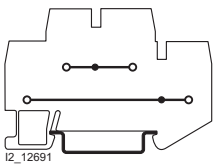
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 1.5 mm²** | | | | | | | | | |
|  8WH2 020-0AE00 | **Two-tier terminals, terminal size 1.5 mm²**<br>• Terminal width 4.2 mm<br>• c UL us, CSA<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 1.5 mm²<br>- Flexible, 0.08 ... 1.5 mm²<br>- AWG 28-16<br>- *I* = 17.5 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V<br>• EN 50019<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>- AWG 28-16<br>- *I* = 17.5 A<br>- *U* = 420 V | | | | | | | | |
|  8WH2 020-0AE00 | Versions | | | | | | | | |
| | • Gray | | | | | | | | |
| | - Without equipotential bonding, 2-pole CSA | | | C | **8WH2 020-0AE00** | | 1 | 50 | 044 |
| | - With equipotential bonding, 1-pole | | | C | **8WH2 025-0AE00** | | 1 | 50 | 044 |
|  8WH2 025-0AE00 | • Blue, 2-pole | | | C | **8WH2 020-0AE01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
|  8WH2 020-0CE07 | **PE two-tier terminals, terminal size 1.5 mm²**<br>• Terminal width 4.2 mm<br>• c UL us, CSA<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 1.5 mm²<br>- Flexible, 0.08 ... 1.5 mm²<br>- AWG 28-16<br>• EN 50019<br>- Rigid, 0.14 ... 1.5 mm²<br>- Flexible, 0.14 ... 1.5 mm²<br>- AWG 28-16<br>• Green-yellow | | | C | **8WH2 020-0CE07** | | 1 | 50 | 044 |
|  8WH2 020-0CE07 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 020-0AF00 | **Two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 26 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>- *I* = 23/19 A<br>- *U* = 420 V | | | | | | | | |
|  8WH2 020-0AF00 | Versions | | | | | | | | |
| | • Gray | | | | | | | | |
| | - Without equipotential bonding, 2-pole | | | C | **8WH2 020-0AF00** | | 1 | 50 | 044 |
| | - With equipotential bonding, 1-pole | | | C | **8WH2 025-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | | | | | | |
| | - Without equipotential bonding, 2-pole | | | C | **8WH2 020-0AF01** | | 1 | 50 | 044 |
|  8WH2 025-0AF00 | - With equipotential bonding, 1-pole | | | C | **8WH2 025-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 023-0AF00 | **Two-tier terminals, terminal size 2.5 mm², three clamping points on one level**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 26 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V | | | | | | | | |
|  I2_12691 8WH2 023-0AF00 | Versions | | | | | | | | |
| | • Gray | | | | | | | | |
| | - Without equipotential bonding, 2-pole | | | C | **8WH2 023-0AF00** | | 1 | 50 | 044 |
| | - With equipotential bonding, 1-pole | | | C | **8WH2 022-0AF00** | | 1 | 50 | 044 |
| | • Blue, 2-pole | | | C | **8WH2 023-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
|  I2_14017 8WH2 022-0AF00 | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm² and three terminals* | *Accessories* | 11/37 | C | **8WH9 000-2VA00** | | 100 | 50 | 044 |
|  8WH2 020-4AF00 | **Two-tier terminals, terminal size 2.5 mm², L at top and PE at bottom**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• DIN VDE 0611 and IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 32 A<br>- *U* = 500 V | | | C | **8WH2 020-4AF00** | | 1 | 50 | 044 |
|  I2_12689 8WH2 020-4AF00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
|  8WH2 020-4BF00 | **Two-tier terminals, terminal size 2.5 mm², N at top and PE at bottom**<br>• Gray<br>• Terminal width 5.2 mm<br>• DIN VDE 0611 and IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 32 A<br>- *U* = 500 V | | | C | **8WH2 020-4BF00** | | 1 | 50 | 044 |
|  I2_12690 8WH2 020-4BF00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
|  8WH2 020-4CF00 | **Two-tier terminals, terminal size 2.5 mm², N at top and L at bottom**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 26 A<br>- *U* = 500 V | | | C | **8WH2 020-4CF00** | | 1 | 50 | 044 |
|  I2_12691 8WH2 020-4CF00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |

11

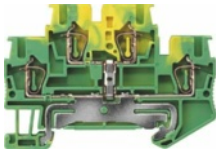
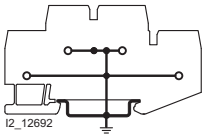
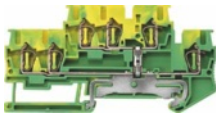
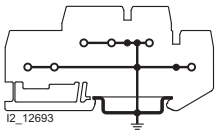
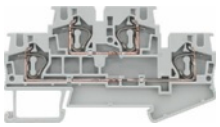
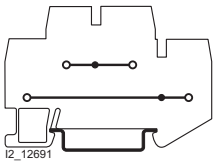
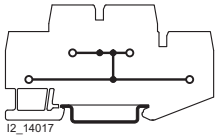
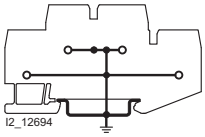
*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Terminals with Spring-Loaded Connection

## 8WH two-tier terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 020-0CF07 | **PE two-tier terminals, terminal size 2.5 mm², two clamping points on one level**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>• Green-yellow | | | C | **8WH2 020-0CF07** | | 1 | 50 | 044 |
|  I2_12692 8WH2 020-0CF07 | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal sizes 1.5 ... 2.5 mm²* | *Accessories* | 11/37 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
|  8WH2 023-0CF07 | **PE two-tier terminals, terminal size 2.5 mm², three clamping points on one level**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• Green-yellow | | | C | **8WH2 023-0CF07** | | 1 | 50 | 044 |
|  I2_12693 8WH2 023-0CF07 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm² and three terminals* | *Accessories* | 11/37 | C | **8WH9 000-2VA00** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 020-0AG00 | **Two-tier terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>- *I* = 30/27 A<br>- *U* = 420 V | | | | | | | | |
|  I2_12691 8WH2 020-0AG00 | Versions | | | | | | | | |
| | • Gray | | | | | | | | |
| | - Without equipotential bonding, 2-pole | | | C | **8WH2 020-0AG00** | | 1 | 50 | 044 |
| | - With equipotential bonding, 1-pole | | | C | **8WH2 025-0AG00** | | 1 | 50 | 044 |
| | • Blue, 2-pole | | | C | **8WH2 020-0AG01** | | 1 | 50 | 044 |
|  I2_14017 8WH2 025-0AG00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm²* | *Accessories* | 11/37 | C | **8WH9 003-1VA00** | | 100 | 50 | 044 |
|  8WH2 020-0CG07 | **PE two-tier terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>• Green-yellow | | | C | **8WH2 020-0CG07** | | 1 | 50 | 044 |
|  I2_12694 8WH2 020-0CG07 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/37 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm²* | *Accessories* | 11/37 | C | **8WH9 003-1VA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

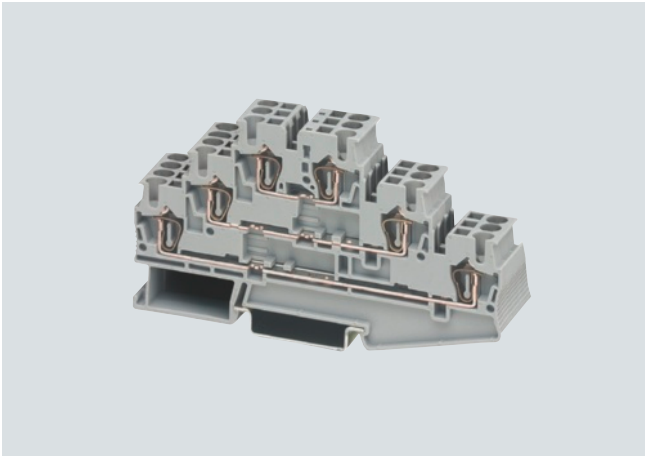


## 8WH two-tier terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 070-0BA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
|  8WH9 000-1VA00 | **Covers**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 1.5 ... 2.5 mm² | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² and three clamping points | C | **8WH9 000-2VA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | C | **8WH9 003-1VA00** | | 100 | 50 | 044 |

## 8WH three-tier terminals

### Overview



Our three-tier terminals offer three feed-through levels in a slim 5.2 mm terminal enclosure. They enable high wiring density – ideal for switchgear systems where space is at a premium.

With one bridge slot per tier, these terminal blocks are ideal for use as compact potential distribution boards or initiator terminals.

All six clamping points are interconnected on the equipotential bonding versions.

The three-tier terminal range is rounded off with a PE terminal with the same contour.

The three-tier terminals support inscription on each tier. In addition, label holders can be used to provide a larger inscription for the three tiers.

### Benefits

- Three feed-through levels with minimum footprint
- Comprehensive range of inscription options
- Matching accessories for 8WH terminal range
- One bridge slot per level

### Technical specifications

| | **8WH2 030-0AF00<br>8WH2 030-0AF01<br>8WH2 035-0AF00** | **8WH2 035-0CF07** | **8WH2 030-4EF00<br>8WH2 030-4HF00** |
|---|---|---|---|
| Dimensions | | | |
| • Width/length in mm | 5.2/99.5 | 5.2/99.5 | 5.2/99.5 |
| • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm | 58/65.5 | 58/65.5 | 58/65.5 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A/cross-section in mm² | 28/4 | -- | 28/4 |
| • Rated impulse withstand voltage in kV/pollution degree | 6/3 | 6/3 | 6/3 |
| • Overvoltage category/insulating group | III/I | III/I | III/I |
| Connection capacities | | | |
| • Flexible with end sleeve without/with plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 2.5 | 0.25 ... 2.5 |
| • Flexible without end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 2.5 | 0.25 ... 2.5 |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 | 0.5 | 0.5 |
| Stripped length in mm | 10 | 10 | 10 |
| Plug gage (IEC 60947-1) | A3 | A3 | A3 |
| Insulation type | PA | PA | PA |
| • Flammability class acc. to UL 94 | V0 | V0 | V0 |
| Approval data (UL/CUR and CSA) | | | |
| • Rated voltage/current/cable sizes | | | |
| - UL/CUR: V/A/AWG | 600/20/26-12 | --/--/24-12 | 300/20/26-12 |
| - CSA: V/A/AWG | -- | -- | -- |

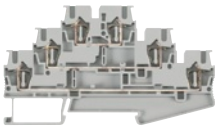
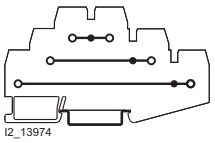
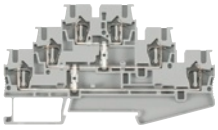
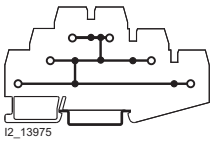
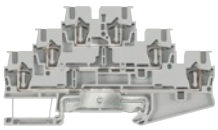
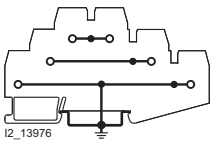
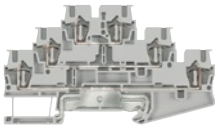
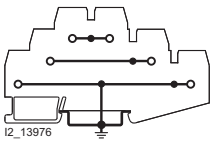
*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## 8WH three-tier terminals

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 030-0AF00  I2_13974 8WH2 030-0AF00 | **Three-tier terminals, terminal size 2.5 mm²**<br>• Enclosed at both ends<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid 0.08-4 mm²<br>- Flexible 0.08-2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- *U* = 500 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH2 030-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH2 030-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
| | • *Label holders for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |
|  8WH2 035-0AF00  I2_13975 8WH2 035-0AF00 | **Three-tier terminals, with equipotential bonding, terminal size 2.5 mm²**<br>• Enclosed at both ends<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid 0.08-4 mm²<br>- Flexible 0.08-2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- *U* = 500 V | | | A | **8WH2 035-0AF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
| | • *Label holders for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |
| | Note | | | | | | | | |
| | The total current through all connected conductors must not exceed the max. load current. | | | | | | | | |
|  8WH2 030-4EF00  I2_13976 8WH2 030-4EF00 | **Three-tier terminals, "PE/L/N", terminal size 2.5 mm²**<br>• Enclosed at both ends<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1 + IEC 60947-7-2<br>- Rigid 0.08-4 mm²<br>- Flexible 0.08-2.5 mm²<br>- AWG 28-12 | | | A | **8WH2 030-4EF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
| | • *Label holders for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |
|  8WH2 030-4HF00  I2_13976 8WH2 030-4HF00 | **Three-tier terminals, "PE/L/L", terminal size 2.5 mm²**<br>• Enclosed at both ends<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1 + IEC 60947-7-2<br>- Rigid 0.08-4 mm²<br>- Flexible 0.08-2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- *U* = 500 V | | | A | **8WH2 030-4HF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
| | • *Label holders for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |

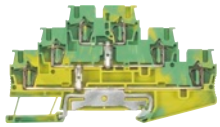
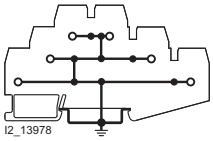
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH three-tier terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 035-0CF07 | **PE three-tier terminals, terminal size 2.5 mm²**<br>• Enclosed at both ends<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid 0.08-4 mm²<br>- Flexible 0.08-2.5 mm²<br>- AWG 28-12 | | | A | **8WH2 035-0CF07** | | 1 | 50 | 044 |
|  8WH2 035-0CF07 | Accessories | Section | Page | | | | | | |
| | *• Covers for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
| | *• Label holders for three-tier terminals* | *Accessories* | 11/39 | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-1GD00 | **Covers for three-tier terminals** | | | A | **8WH9 000-1GD00** | | 100 | 50 | 044 |
|  8WH9 060-4BA00 | **Label holders for three-tier terminals** | | | A | **8WH9 060-4BA00** | | 100 | 100 | 044 |

## 8WH four-tier motor terminals

11

### Overview



***Terminal size 2.5 mm²***

Four-tier motor terminals with terminal size 2.5 mm² are particularly suited for the compact wiring of three-phase loads. They have three through-type tiers and a PE terminal which makes contact when it is simply snapped onto the support rail.

Each clamping point has a facility for inscription and a test option for 2.3 mm ⌀ test plugs.

There is also sufficient space to make a large marking in the center of the terminal.

No cross-linking option.

***Terminal size 4 mm²***

Like the 2.5 mm² version, the four-tier motor terminal with 4 mm² also enables three phases and the PE to be wired in one terminal. This terminal is enclosed at both ends.

No cross-linking option.

***Integrated PE/ground conductor function***

PE contact with the support rail is made by simply snapping the terminal onto the rail. The four-tier motor terminal with terminal size 4 mm² is therefore particularly suited for the space-saving wiring of three-phase loads.

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010

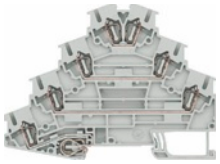
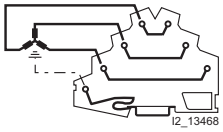
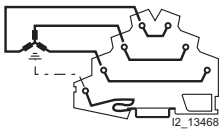


## 8WH four-tier motor terminals

### Technical specifications

| | 8WH2 040-4LF00 | 8WH2 040-4LG00 |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 5.2 / 98.5 / 2.2 | 6.2 / 101 / -- |
| • Height (NS 35/7.5 / NS 35/15) in mm | 73.5 / 81 | 83.5/91 |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A/cross-section in mm² | 26 / 4 | 32 / 6 |
| • Rated impulse withstand voltage in kV/pollution degree | 8 / 3 | |
| • Overvoltage category/insulating group | III / I | |
| Connection capacities | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | -- | 0.5 ... 1 |
| Stripped length in mm | 10 | |
| Plug gage (IEC 60947-1) | A3 | A4 |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage/current/cable sizes | | |
| - UL/CUL: in V/A/AWG | -- / -- / 26-12 | -- |
| - CSA: in V/A/AWG | -- | 600 / 30 / 28-10 |

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | |
|  8WH2 040-4LF00 | **Four-tier motor terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1 and IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 26 A<br>- *U* = 800 V | C | **8WH2 040-4LF00** | | 1 | 50 | 044 |
| | Accessories / Section / Page | | | | | | |
|  8WH2 040-4LF00 | *Covers, for "four-tier motor terminals, terminal size 2.5 mm²"* / *Accessories* / 11/40 | C | **8WH9 000-1GE00** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | |
|  8WH2 040-4LG00 | **Four-tier motor terminals, terminal size 4 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1 and IEC 60947-7-2<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- *U* = 800 V<br>• Enclosed at both ends | C | **8WH2 040-4LG00** | | 1 | 50 | 044 |
|  8WH2 040-4LG00 | | | | | | | |
| **Accessories** | | | | | | | |
| | **Covers, for "four-tier motor terminals, terminal size 2.5 mm²"** | C | **8WH9 000-1GE00** | | 100 | 50 | 044 |

11

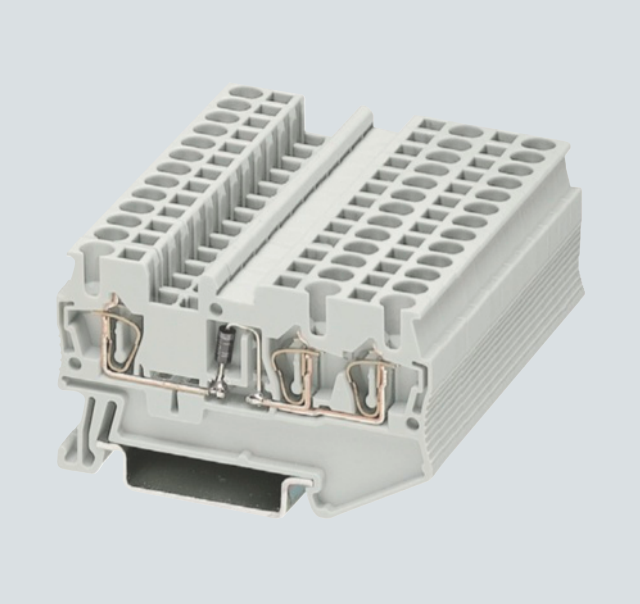


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



Diode terminals with a nominal cross-section of 2.5 mm² and a mounting width of just 5.2 mm can be used to implement many different switching tasks. The diode is soldered in from left to right or vice versa as required.

## Technical specifications

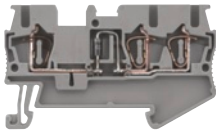
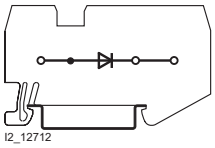
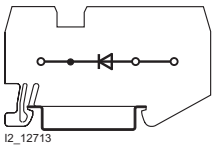
| | **8WH2 003-5DF00**<br>**8WH2 003-5CF00** |
|---|---|
| Dimensions | |
| • Width/length/width of cover in mm | 5.5 / 60.5 / 2.2 |
| • Height HV-M... (NS 35/7.5 / NS 35/15) in mm | 36.5 / 44 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A/cross-section in mm² | Determined by the diode/4 |
| • Rated impulse withstand voltage in kV/pollution degree | 4/3 |
| • Overvoltage category/insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible without end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 |
| Stripped length in mm | 10 |
| Plug gage (IEC 60947-1) | A3 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage/current/cable sizes | |
| - UL/CUL: V/A/AWG | 600 / 20 / 26-12 |
| - CSA: V/A/AWG | -- |

© Siemens AG 2010



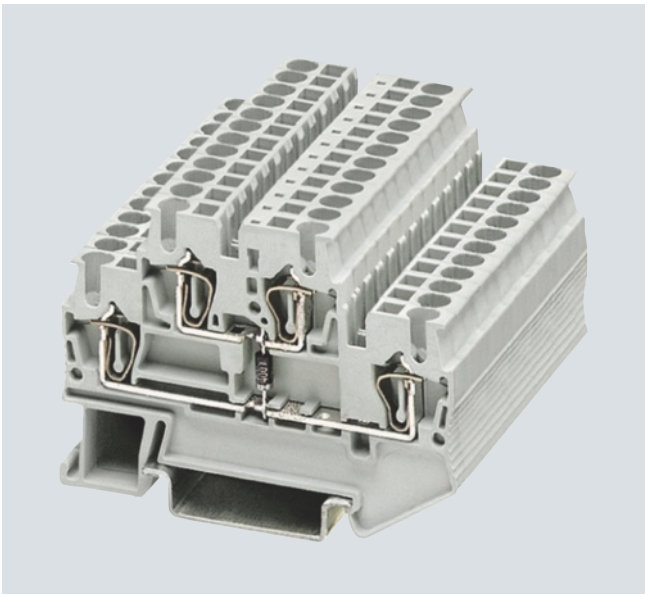
## 8WH diode terminals

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 003-5DF00 | **Diode terminals, terminal size 2.5 mm², with three clamping points**<br>• Uninterrupted limiting current: 0.5 A<br>• Blocking voltage: 1300 V<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = the maximum current is determined by the diode<br>- *U* = 500 V<br>• With integrated diode<br>• Integrated: diode 1N 4007 | | | | | | | | |
|  I2_12712 8WH2 003-5DF00 | Versions | | | | | | | | |
| | • Let-through from left to right | | | C | **8WH2 003-5DF00** | | 1 | 50 | 044 |
| | • Let-through from right to left | | | C | **8WH2 003-5CF00** | | 1 | 50 | 044 |
|  I2_12713 8WH2 003-5CF00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and three clamping points* | *Accessories* | 11/42 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 11/42 | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
| | • *Cover segments, for terminal sizes 1.5 and 2.5 mm² and three clamping points* | *Accessories* | 11/42 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| **Accessories** | | | | | | | | | |
| | **Compartment partitions, for terminal sizes 1.5 ... 4 mm² and three clamping points** | | | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | **Covers, for terminal sizes 1.5 ... 2.5 mm² and three clamping points** | | | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
|  8WH9 000-0GA00 | **Cover segments, for terminal sizes 1.5 and 2.5 mm² and three clamping points** | | | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |

## 8WH two-tier diode terminals

### Overview



Two-tier diode terminals can be used together with different versions to implement many different switching tasks.

The following circuits are possible in the tightest spaces:

- Freewheel diode circuits
- Lamp test circuits
- Signaling and fault signaling circuits

* You can order this quantity or a multiple thereof.

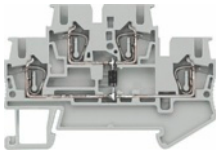
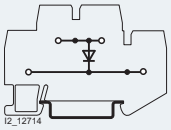
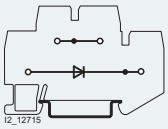
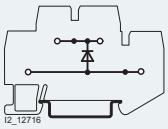
© Siemens AG 2010



## Technical specifications

| | 8WH2 020-5AF00<br>8WH2 020-5DF00<br>8WH2 020-5BF00 | 8WH2 020-5HF00<br>8WH2 020-5FF00<br>8WH2 020-5KF00<br>8WH2 020-5EF00<br>8WH2 020-5GF00 | 8WH2 020-5JF30<br>8WH2 020-5JF60<br>8WH2 020-5JF80 |
|---|---|---|---|
| Dimensions | | | |
| • Width/length/width of cover in mm | 5.2 / 67.5 / 2.2 | | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 47.5 / 55 | | |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A/cross-section in mm² | 26 / 4 | | |
| • Rated impulse withstand voltage in kV/pollution degree | 4 / 3 | | |
| • Overvoltage category/insulating group | III / I | | |
| Connection capacities | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | |
| Stripped length in mm | 10 | | |
| Plug gage (IEC 60947-1) | A3 | | |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage/current/cable sizes | | | |
| - UL/CUL: in V/A/AWG | 300 / 20 / 26-12 | | |
| - CSA: in V/A/AWG | 300 / 20 / 26-12 | | |

## Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **General details** | | | | | | |
| • C UL US | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | |
|  8WH2 020-5AF00 | | | | | | |
| **Two-tier diode terminals, terminal size 2.5 mm², with one diode** | | | | | | |
| • Terminal width 5.2 mm | | | | | | |
| • Supply data | | | | | | |
| - Rigid, 0.08 ... 4 mm² | | | | | | |
| - Flexible, 0.08 ... 2.5 mm² | | | | | | |
| - AWG 28-12 | | | | | | |
| - $I$ = 26 A | | | | | | |
| - $U$ = 500 V | | | | | | |
| • Maximum current determined by diode | | | | | | |
| • Integrated: diode 1N 4007 | | | | | | |
| • Blocking voltage: 1300 V | | | | | | |
| • Uninterrupted limiting current: 0.5 A | | | | | | |
| Circuit diagram / Versions | | | | | | |
|  Let-through from top to bottom | C | **8WH2 020-5AF00** | | 1 | 50 | 044 |
|  Let-through from bottom left to bottom right | C | **8WH2 020-5DF00** | | 1 | 50 | 044 |
|  Let-through from bottom to top | C | **8WH2 020-5BF00** | | 1 | 50 | 044 |
| Accessories / Section / Page | | | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* — *Accessories* 11/44 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 and 2.5 mm²* — *Accessories* 11/44 | C | **8WH9 000-1VA00** | | 100 | 50 | 044 |

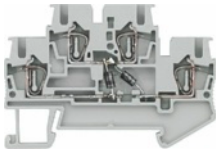
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

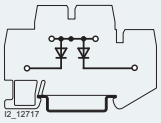
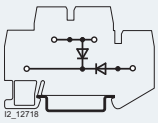
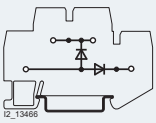
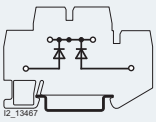


## 8WH two-tier diode terminals

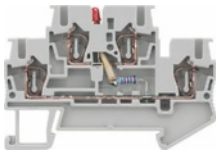

8WH2 020-5HF00

**Two-tier diode terminals, terminal size 2.5 mm², with two diodes**

- Terminal width 5.2 mm
- Supply data
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - $I$ = 26 A
  - $U$ = 500 V
- Maximum current determined by diode
- Integrated: diode 1N 4007
- Blocking voltage: 1300 V
- Uninterrupted limiting current: 0.5 A

| Circuit diagram | Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  | Let-through from top to bottom left and from top to bottom right | C | **8WH2 020-5HF00** | | 1 | 50 | 044 |
|  | Let-through from top to bottom left and from bottom right to bottom left | C | **8WH2 020-5KF00** | | 1 | 50 | 044 |
|  | Let-through from bottom left to top and from bottom left to bottom right | C | **8WH2 020-5EF00** | | 1 | 50 | 044 |
|  | Let-through from bottom left to top and from bottom right to top | C | **8WH2 020-5GF00** | | 1 | 50 | 044 |

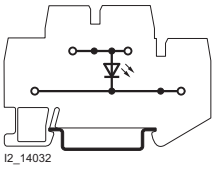
| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 to 4 mm²* | *Accessories* | 11/44 | C | **8WH9 070-0BA00** | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 and 2.5 mm²* | *Accessories* | 11/44 | C | **8WH9 000-1VA00** | 100 | 50 | 044 |


8WH2 020-5JF30

**Two-tier diode terminals, terminal size 2.5 mm², with LED display**

- Terminal width 5.2 mm
- Supply data
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - $I$ = 26 A
  - $U$ = 500 V

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • 15 to 30 V DC / 2.5 ... 7.5 A | C | **8WH2 020-5JF30** | | 1 | 50 | 044 |
| • 30 to 60 V DC / 1.9 ... 4.0 A | C | **8WH2 020-5JF60** | | 1 | 50 | 044 |
| • 110 to 230 V AC/DC / 0.5 ... 1.0 A (glow lamp) | C | **8WH2 020-5JF80** | | 1 | 50 | 044 |


I2_14032
8WH2 020-5JF30

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | *Accessories* | 11/44 | C | **8WH9 070-0BA00** | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 and 2.5 mm²* | *Accessories* | 11/44 | C | **8WH9 000-1VA00** | 100 | 50 | 044 |

## Accessories

| | | | | | | |
|---|---|---|---|---|---|---|
| **Compartment partitions, for terminal size 1.5 ... 4 mm²** | C | **8WH9 070-0BA00** | 100 | 50 | 044 |
| **Covers, for terminal size 1.5 and 2.5 mm²** | C | **8WH9 000-1VA00** | 100 | 50 | 044 |

11

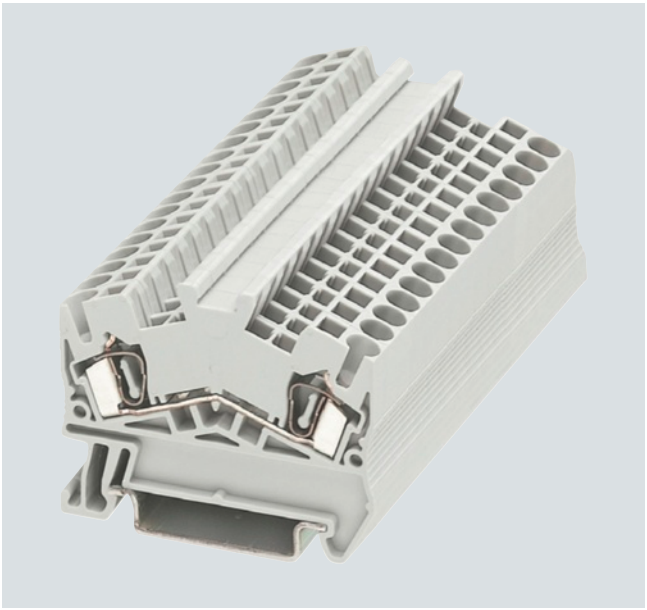


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



### *With two clamping points*

The compact through-type terminal series is characterized by the angled routing of the conductors. This compact range of terminals is largely used in wiring systems where underfloor wiring is used to save space.

The compact through-type terminals are available in the cross-sectional ranges 2.5 mm², 4 mm² and 6 mm². With terminal size 2.5 and 4 mm² they have four bridge slots, enabling numerous potential bridging options and the use of a comprehensive range of test accessories.

The product range includes PE terminals with the same contour, which meet all the requirements of IEC 60947-7-2.

### *With three clamping points*

The three-conductor spring-loaded terminals have the same contour as the two-conductor through-type terminals. The uniform connecting comb system also enables cross-connection to adjoining through-type terminals.

The compact through-type terminals are available in the nominal cross-sections 2.5 mm² to 6 mm².

### *With four clamping points*

The compact four-wire terminals have the same contour as the through-type and three-conductor terminals with the same cross-section.

No cross-linking option.

### *PE/ground conductor function*

PE/ground conductor terminals with the same contour are also available for the compact through-type terminals. Contact with the support rail is achieved by simply snapping the terminals onto the rail. This meets all the requirements of IEC 60947-7-2.



| | Connection type → | | Compact spring-loaded connection | | | | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|---|---|
| | Version → | | Standard | | | Two-tier | |
| | Number of clamping points → | | 2 | 3 | 4 | 4 | |
| | Order No. (Digits 1 ... 7) → | | 8WH2 500 | 8WH2 503 | 8WH2 504 | 8WH2 520 | |
| **Conductor cross-section** | **Terminal type[1)]** | **Color** | | | | | |
| 2.5 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | 0AF00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | 0AF01 |
| | Isolating | Gray | ✔ | -- | -- | -- | 6AF00 |
| | Isolating blade | Gray | ✔ | -- | -- | -- | 0CF00 |
| | PU | Green-yellow | ✔ | ✔ | ✔ | ✔ | 0CF07 |
| 4 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | 0AG00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | 0AG01 |
| | PU | Green-yellow | ✔ | ✔ | ✔ | ✔ | 0CG07 |
| 6 mm² | Through-type | Gray | ✔ | ✔ | -- | -- | 0AH00 |
| | | Blue | ✔ | ✔ | -- | -- | 0AH01 |
| | PU | Green-yellow | ✔ | ✔ | -- | -- | 0CH07 |

1) Only the main terminal types are listed here. You will find further versions on the following pages.

© Siemens AG 2010



## 8WH compact through-type terminals

### Technical specifications

| | 8WH2 500-0AF00<br>8WH2 500-0AF01 | 8WH2 500-0CF07 | 8WH2 503-0AF00<br>8WH2 503-0AF01 | 8WH2 503-0CF07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width/length/width of cover in mm | 5.2 / 51 / 2.2 | | | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43 / 50.5 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A/cross-section in $mm^2$ | -- | | | |
| • Maximum // rated data in A/$mm^2$ | 31 / 4 // - | -- | 28 / 4 // - | -- |
| • Rated impulse withstand voltage in kV/pollution degree | 8 / 3 | | | |
| • Overvoltage category/insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in $mm^2$ | 0.25 ... 2.5 | | | |
| • Flexible with end sleeve without plastic sleeve in $mm^2$ | 0.25 ... 2.5 | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in $mm^2$ | 0.5 | | | |
| Stripped length in mm | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage/current/cable sizes | | | | |
| - UL/CUL: in V/A/AWG | 600 / 20 / 26-12 | -- / -- / 26-12 | 600 / 20 / 26-12 | -- / -- / 26-12 |
| - CSA: in V/A/AWG | -- | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

| | 8WH2 504-0AF00<br>8WH2 504-0AF01 | 8WH2 504-0CF07 | 8WH2 500-0AG00<br>8WH2 500-0AG01 | 8WH2 500-0CG07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 5.2 / 51 / 2.2 | | 6.2 / 64.5 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43 / 50.5 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in $mm^2$ | 28 / 4 | -- | | |
| • Maximum // rated data in A / $mm^2$ | -- | | 38 / 6 // -- | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in $mm^2$ | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with end sleeve without plastic sleeve in $mm^2$ | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in $mm^2$ | 0.5 | | 0.5 ... 1 | |
| Stripped length in mm | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | -- / -- / 26-12 | 600 / 30 / 20-10 | -- / -- / 26-12 |
| - CSA: in V/A / AWG | -- | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

© Siemens AG 2010



| | 8WH2 503-0AG00<br>8WH2 503-0AG01 | 8WH2 503-0CG07 | 8WH2 504-0AG00<br>8WH2 504-0AG01 | 8WH2 504-0CG07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 6.2 / 64.5 / 2.2 | | | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43 / 50.5 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | -- | | 38 / 6 | -- |
| • Maximum // rated data in A / mm² | 38 / 6 // - | -- | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 ... 1 | | | |
| Stripped length in mm | 10 | | | |
| Plug gage (IEC 60947-1) | A4 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | -- / -- / 20-10 | 600 / 30 / 20-10 | -- / -- / 20-10 |
| - CSA: in V/A / AWG | -- | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

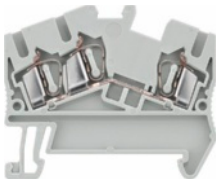
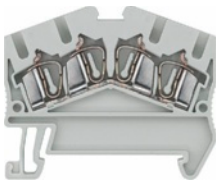
| | 8WH2 500-0AH00<br>8WH2 500-0AH01 | 8WH2 500-0CH07 | 8WH2 503-0AH00<br>8WH2 503-0AH01 | 8WH2 503-0CH07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 8.2 / 58 / 2.2 | | 8.2 / 70 / 2.2 | |
| • Height (NS 35/7.5 / NS 35/15) in mm | 50 / 57.5 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | -- | | | |
| • Maximum // rated data in A / mm² | 52 / 10 // 41 / 6 | -- | 52 / 10 // 41 / 6 | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 6 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 6 | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25 ... 1.5 | | | |
| Stripped length in mm | 12 | | | |
| Plug gage (IEC 60947-1) | A5 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | Applied for | | | |
| - CSA: in V/A / AWG | Applied for | | | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

© Siemens AG 2010



## 8WH compact through-type terminals

### Selection and ordering data

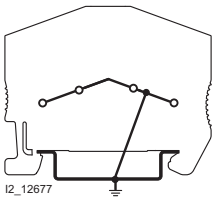
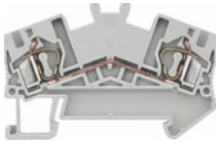
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 500-0AF00 | **Compact through-type terminals, terminal size 2.5 mm², 2 clamping points**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 31 A<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 500-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 500-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
|  8WH2 503-0AF00 | **Compact through-type terminals, terminal size 2.5 mm², three clamping points**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>- *I* = 21/25 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 503-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 503-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | Covers, for terminal size 2.5 mm² and compact design | Accessories | 11/52 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
|  8WH2 504-0AF00 | **Compact through-type terminals, terminal size 2.5 mm², four clamping points**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 28 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>- *I* = 20/25 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 504-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 504-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 500-0CF07 | **Compact through-type PE terminals, terminal size 2.5 mm², 2 clamping points**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• Green-yellow | | | C | **8WH2 500-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
|  8WH2 503-0CF07 | **Compact through-type PE terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• EN 50019<br>- Rigid, 0.2 ... 4 mm²<br>- Flexible, 0.2 ... 2.5 mm²<br>- AWG 24-12<br>• Green-yellow | | | | | | | | |
|  8WH2 504-0CF07 | Versions | | | | | | | | |
| | • Three clamping points | | | C | **8WH2 503-0CF07** | | 1 | 50 | 044 |
| | • Four clamping points | | | C | **8WH2 504-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
|  8WH2 504-0CF07 | | | | | | | | | |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 500-0AG00 | **Compact through-type terminals, terminal size 4 mm², 2 clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 38 A<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 500-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | D | **8WH2 500-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |

11

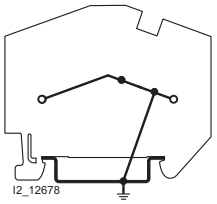
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH compact through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 503-0AG00 | **Compact through-type terminals, terminal size 4 mm², three clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 38 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>- *I* = 20/25 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 503-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 503-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |
|  8WH2 504-0AG00 | **Compact through-type terminals, terminal size 4 mm², four clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 38 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>- *I* = 20/25 A<br>- *U* = 550 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 504-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 504-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |
|  8WH2 500-0CG07 | **Compact through-type PE terminals, terminal size 4 mm², 2 clamping points**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• Green-yellow | | | C | **8WH2 500-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |



8WH2 500-0CG07

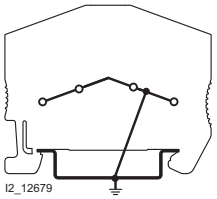
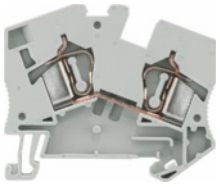
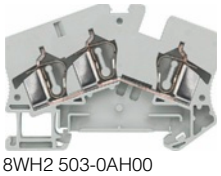
11



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 503-0CG07 | **Compact through-type PE terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• EN 50019<br>- Rigid, 0.2 ... 6 mm²<br>- Flexible, 0.2 ... 4 mm²<br>- AWG 24-10<br>• Green-yellow | | | | | | | | |
|  8WH2 504-0CG07 | Versions | | | | | | | | |
| | • Three clamping points | | | C | **8WH2 503-0CG07** | | 1 | 50 | 044 |
| | • Four clamping points | | | C | **8WH2 504-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/52 | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |
|  8WH2 504-0CG07 | | | | | | | | | |
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WH2 500-0AH00 | **Compact through-type terminals, terminal size 6 mm², 2 clamping points**<br>• Terminal width 8.2 mm<br>• IEC 60947-7-1<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>- *I* = 52 A<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 500-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 500-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Compartment partitions, for terminal size 6 mm²* | *Accessories* | 11/52 | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
| | *Covers, for terminal size 6 mm² and two clamping points and compact design* | *Accessories* | 11/52 | C | **8WH9 004-1JA00** | | 100 | 50 | 044 |
|  8WH2 503-0AH00 | **Compact through-type terminals, terminal size 6 mm², three clamping points**<br>• Terminal width 8.2 mm<br>• IEC 60947-7-1<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>- *I* = 52 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 800 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 503-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 503-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Compartment partitions, for terminal size 6 mm²* | *Accessories* | 11/52 | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
| | *Covers, for terminal size 6 mm² and three clamping points and compact design* | *Accessories* | 11/52 | C | **8WH9 004-2JA00** | | 100 | 50 | 044 |

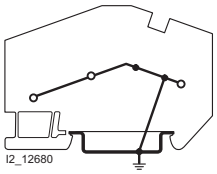
11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



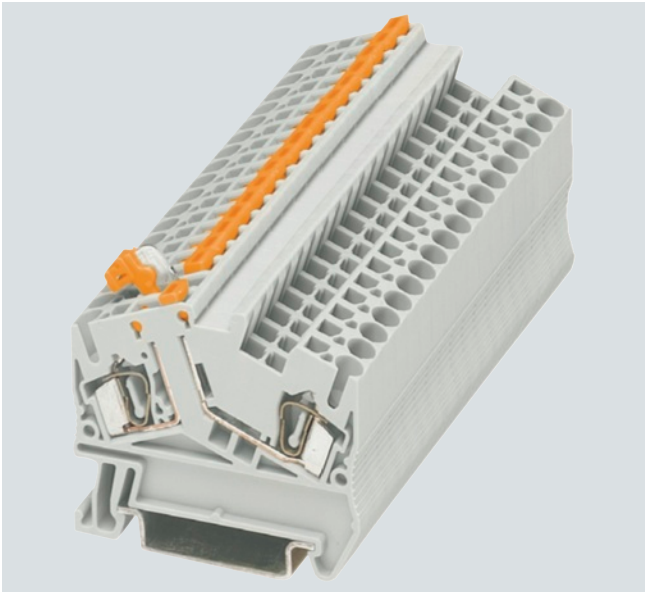
## 8WH compact through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH2 500-0CH07 | **Compact through-type PE terminals, terminal size 6 mm²**<br>• Terminal width 8.2 mm<br>• IEC 60947-7-2<br>- Rigid, 0.2 ... 10 mm²<br>- Flexible, 0.2 ... 6 mm²<br>- AWG 24-8<br>• Green-yellow | | | | | | | | |
| | Versions | | | | | | | | |
| | • Two clamping points | | | C | **8WH2 500-0CH07** | | 1 | 50 | 044 |
| | • Three clamping points | | | C | **8WH2 503-0CH07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
|  8WH2 503-0CH07 | • *Compartment partitions, for terminal size 6 mm²* | *Accessories* | 11/52 | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 6 mm²* | | | | | | | | |
| | - *For two clamping points and compact design* | *Accessories* | 11/52 | C | **8WH9 004-1JA00** | | 100 | 50 | 044 |
| | - *For three clamping points and compact design* | *Accessories* | 11/52 | C | **8WH9 004-2JA00** | | 100 | 50 | 044 |
|   8WH2 503-0CH07 | | | | | | | | | |
| **Accessories** | | | | | | | | | |
| | **Compartment partitions, for terminal size 6 mm²** | | | C | **8WH9 070-0DA00** | | 100 | 50 | 044 |
|  8WH9 000-1JA00 | **Covers**<br>Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² and compact design | | | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and compact design | | | C | **8WH9 003-1JA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² and compact design | | | C | **8WH9 004-1JA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² and three clamping points and compact design | | | C | **8WH9 004-2JA00** | | 100 | 50 | 044 |

11

## 8WH compact isolating blade terminals

### Overview



The compact isolating blade terminals provide a test option for 2.3 mm ⌀ test plugs on both sides of the isolating point.

The double bridge slot also enables cross-connection to the standard two and three-conductor terminals.

The isolating blade is secured to the terminal so that it cannot be lost.

* You can order this quantity or a multiple thereof.

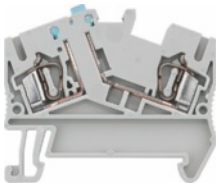
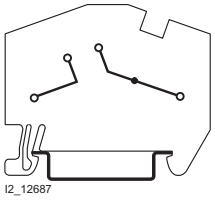
© Siemens AG 2010



## Technical specifications

| | 8WH2 500-6CF00 |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 5.2 / 51 / 2.2 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43 / 50.5 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A / cross-section in mm² | 16 / 4 |
| • Maximum // rated data in A / mm² | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 |
| • Overvoltage category / insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 |
| Stripped length in mm | 10 |
| Plug gage (IEC 60947-1) | A3 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | 600 / 16 / 24-12 |
| - CSA: in V/A / AWG | -- |

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 500-6CF00 | **Compact isolating blade terminals, terminal size 2.5 mm², with 2 clamping points**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 16 A<br>- *U* = 400 V | | | C | **8WH2 500-6CF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
|  I2_12687 8WH2 500-6CF00 | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/53 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
| | **Covers, for terminal size 2.5 mm² and compact design**<br>Gray | | | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH compact isolating terminals

### Overview



The compact isolating terminals provide a test option for 2.3 mm ⌀ test plugs on both sides of the isolating point.

The double bridge slot also enables cross-connection to the standard two and three-conductor terminals.

The compact isolating terminal is used for holding:

- Isolating plugs
- Fused connectors
- Component connectors
- Through-type connectors

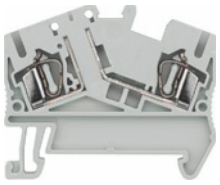
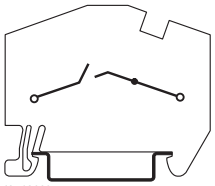
### Technical specifications

| | 8WH2 500-6AF00 |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 5.2 / 51 / 2.2 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 43 / 50.5 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A / cross-section in $mm^2$ | 16 / 4 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 |
| • Overvoltage category / insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in $mm^2$ | 0.25 ... 2.5 |
| • Flexible with end sleeve without plastic sleeve in $mm^2$ | 0.25 ... 2.5 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in $mm^2$ | 0.5 |
| Stripped length in mm | 10 |
| Plug gage (IEC 60947-1) | A3 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | 300 / 16 / 24-12 |
| - CSA: in V/A / AWG | -- |

© Siemens AG 2010



## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 500-6AF00 | **Compact isolating terminals, terminal size 2.5 mm²**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- Current and voltage are determined by the fitted plug<br>- $I$ = 16 A<br>- $U$ = 400 V | | | C | **8WH2 500-6AF00** | | 1 | 50 | 044 |
|  I2_12683 8WH2 500-6AF00 | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/55 | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
| | • *Plug-in zone connectors* | | | | | | | | |
| | - *Isolating plugs* | *Accessories* | 11/55 | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| | - *Through-type connectors* | *Accessories* | 11/55 | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| | - *Fused connectors, without LED display* | *Accessories* | 11/55 | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | - *Component connectors* | *Accessories* | 11/55 | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-1JA00 | **Covers, for terminal size 2.5 mm² and compact design**<br>Gray | | | C | **8WH9 000-1JA00** | | 100 | 50 | 044 |
| | **Plug-in zone connectors** | | | | | | | | |
| | Versions | | | | | | | | |
|  8WH9 040-0DB04 | • Isolating plugs<br>- Orange | | | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
|  8WH9 020-8AB00 | • Through-type connectors<br>- Gray<br>- $I_{max}$: 16 A | | | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
|  8WH9 040-3DB08 | • Fused connectors, without LED display<br>- Black<br>- $I_{max}$: 6.3 A<br>Note<br>- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links. In this case, take the offset of the rated current into account. | | | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
|  8WH9 040-0BB00 | • Component connectors<br>- $I_{max}$: 6 A, depending on the power loss of the components, max. 1 W with single arrangement<br>- Facility for inscription with ZBF 5 | | | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH compact two-tier terminals

### Overview



The product range of the two-tier terminals is rounded off by the compact two-tier version with nominal cross-sections 2.5 and 4 mm².

With the potentials routed in a 5.2 mm grid through two tiers, the compact two-tier terminals require 50 % less space in the control cabinet. The terminal also offers two integral bridge slots and two facilities for large inscriptions in the center of the terminal.

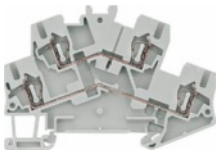
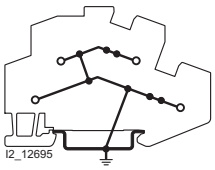
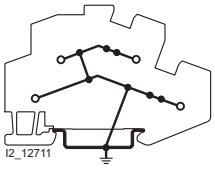
### Technical specifications

| | 8WH2 520-0AF00<br>8WH2 520-0AF01 | 8WH2 520-0CF07 | 8WH2 520-0AG00<br>8WH2 520-0AG01 | 8WH2 520-0CG07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 5.2 / 78 / 2.2 | 52 / 78 / 2.2 | 6.2 / 83.5 / 2.2 | 6.2 / 92.4 / 2.2 |
| • Height (NS 35/7.5 / NS 35/15) in mm | 54.5 / 62 | 54.5 / 62 | 47.5 / 55 | 54.5 / 62 |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | 26 / 4 | -- | 32 / 6 | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | 0.5 ... 1 | |
| Stripped length in mm | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | 300 / 20 / 26-12 | -- / -- / 26-12 | Applied for | |
| - CSA: in V/A / AWG | -- | | Applied for | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

© Siemens AG 2010



## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH2 520-0AF00 | **Compact two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• 2-pole<br>• c UL us<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 26 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 520-0AF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 520-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/58 | C | **8WH9 000-1KA00** | | 100 | 50 | 044 |
|  8WH2 520-0CF07 | **Compact PE two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• Green-yellow | | | C | **8WH2 520-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 11/58 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 2.5 mm² and compact design* | *Accessories* | 11/58 | C | **8WH9 000-1KA00** | | 100 | 50 | 044 |
|  I2_12695 8WH2 520-0CF07 | | | | | | | | | |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH2 520-0AG00 | **Compact two-tier terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• 2-pole<br>• IEC 60947-7-1<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 35 A<br>- The total current through all connected conductors must not exceed the max. load current<br>- *U* = 500 V | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH2 520-0AG00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH2 520-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 to 4 mm²* | *Accessories* | 11/58 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/58 | C | **8WH9 003-1KA00** | | 100 | 50 | 044 |
|  I2_12711 8WH2 520-0CG07 | **Compact PE two-tier terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• IEC 60947-7-2<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• Green-yellow | | | C | **8WH2 520-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 to 4 mm²* | *Accessories* | 11/58 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 6.2 mm* | *Accessories* | 11/58 | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 4 mm² and compact design* | *Accessories* | 11/58 | C | **8WH9 003-1KA00** | | 100 | 50 | 044 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH compact two-tier terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 070-0BA00 | **Compartment partitions, for terminal size 1.5 to 4 mm²** | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
|  8WH9 010-0DB02 | **Lateral mounting test plugs**<br>For individual assembly of test plug connectors | | | | | | |
| | Versions | | | | | | |
| | • For terminal width 5.2 mm | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| | **Covers**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • For terminal size 2.5 mm² and compact design | C | **8WH9 000-1KA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² and compact design | C | **8WH9 003-1KA00** | | 100 | 50 | 044 |

## Support rails/protective conductor busbars

### Technical specifications

| Support rail type | | | | | | | Excerpt from IEC 60947-7-2/EN 60947-7-2/ VDE 0611 Part 3 | | |
|---|---|---|---|---|---|---|---|---|---|
| Width | Height | Thick-ness | Perforation type | Material | Surface | Rail profile | Short-circuit strength (Cu con-ductor) | Short-time withstand current, 1 s | Max. permissi-ble thermal rated current at PEN function |
| mm | mm | mm | | | | | mm² [1] | kA | A |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [1] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 3– 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforatedd | V2A high-grade steel | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 50 | 6.0 | 150 |
| 35 | 7.5 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 35 | 4.2 | 125 |
| 35 | 15 | 2.3 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 15 | 50 | 6.0 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 95 | 11.4 | 232 |
| 35 | 15 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 70 | 8.4 | 192 |

[1] Cross-sections calculated according to IEC 60439-1 / EN 60439-1 / EN 60439-1 / VDE 0660 Part 500.
[2] Steel protective conductor busbars are not permissible for PEN function.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

Terminal blocks are used for the space-saving connection of incoming and outgoing lines in switchgear and distribution boards.

### Benefits

- Fast mounting
  - Simply snap on
  - Enclosed at both ends, no end plates required
- Simple connection
  - Front connection, no end sleeves required
  - 15° angle between screwdriver and conductor
  - Same screwdriver for terminal sizes 1.5, 2.5, 4 and 6 mm²
  - Screwless connection of neutral isolating terminal to neutral busbar
- Small number of linking accessories
  - Screwless cross connection system consisting of only 3 accessories: Two-pin jumpers, link rails with one-pin plugs for terminal sizes 2.5, 4 and 6 mm².
- Uniform labeling plates on cards for the entire terminal range up to 16 mm².

### Standards

EN 60664-1, EN 60999 and IEC 60947-7-1 or IEC 60947-7-2.

For 8WA2, the size of the connecting holes corresponds to the rated cross-sections of the conductors.

The terminals are finger-safe to IEC 60529 and EN 50274 (except for those without covers or unconnected cable entries 10 mm² and 16 mm²). Through-type terminals are resistant to earthquakes according to IEC 60068-2-6.

### Rated short-time withstand current

Our spring-loaded terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

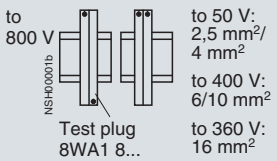
### Colored terminal blocks

With colored wiring according to EN 60204-1, the connecting level can also be included in the colored markings:

- Red for control circuits with AC current
- Blue for control circuits with DC current or neutral conductor
- Orange for interlock circuits with AC or DC current which are fed from outside and are live when the main switch is turned off
- Green-yellow through-type terminals for protective conductors (without a link to the support rail).

### Testing

Testing is possible without interrupting operation by inserting the test plug into the provided opening, whereby the following test plug arrangement must be observed:

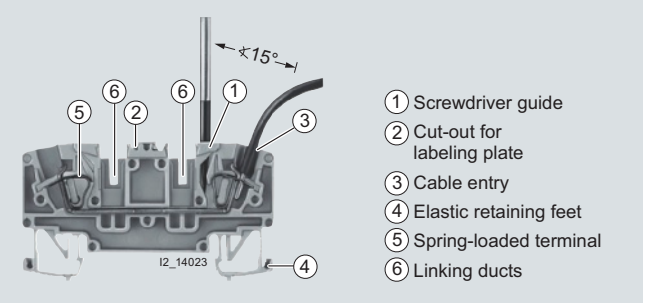



### Design

The terminal blocks are insulated at both ends. End plates are therefore not required. The symmetrical design of the standard terminals prevents them from being snapped on the wrong way round. The insulating bodies up to and including terminal size 16 mm² are made of thermoplastic, polyamide 6.6 with a tracking resistance of CTI 600 according to DIN VDE 0303 Part 1.

The materials used are environment-friendly: For example, they are cadmium-free and contain no halogens or silicone.

The plastics used are flame-retardant and self-extinguishing according to EN 60695-2-2, VDE 0471, Part 2-2 and UL 94 V-2.




8WA2 through-type terminal without screws, sectional view

### Terminal size

The terminal size corresponds to the rated cross-section. According to IEC 60 947-7-1, one finely stranded copper conductor without end sleeve can be connected to each clamping point. If the rated cross-section is connected with an end sleeve, the next larger terminal size has to be used. End sleeves should only be used in particularly corrosive ambient atmospheric conditions.

### Clamping methods

The clamping point is opened by inserting a screwdriver, the conductor is inserted to the stop and is clamped tight after the screwdriver is removed. This ensures compliance with all national and international tensile requirements. The nickel-chromium spring steel of the spring-loaded terminal ensures that the contacting between the conductor and the terminal is corrosion-proof and vibration-resistant.

### Mounting

The terminals are snapped onto 35 mm support rails according to IEC 60715 TH35 and secured against movement with end retainers. A lateral mounting tolerance of 0.2 mm must be observed.

### Conductor connections

Due to the spring-loaded terminal system, solid, stranded or finely stranded conductors can be clamped safely and permanently by front insertion and without the use of end sleeves. One conductor per clamping point can be connected. The cable entries are designed in such a way that the insulation of the rated conductor cross-section, and that of the next smaller cross-section cannot be caught in the opening (the length of insulation to be stripped is printed on the terminal). When using finely stranded and very finely stranded conductors, the ends can be tin-coated or compacted by means of ultrasound in order to protect the splice.

© Siemens AG 2010



## General data on 8WA

### Products to be discontinued

### *Connection of aluminum conductors*

Spring-loaded terminals are also suitable for solid aluminum conductors of up to 4 mm² when the normal preparation guidelines are complied with prior to connection, e.g. brushing and greasing.

It must also be taken into account that the rated uninterrupted currents will be lower due to the lower conductivity of aluminum:

- 1.5 mm² = 10 A
- 2.5 mm² = 16 A
- 4 mm² = 22 A

### *Accessories*

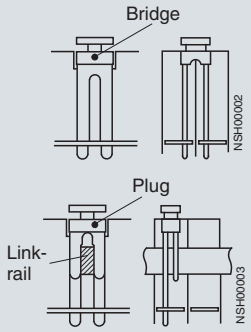
Note

8WA accessories can only be used for 8WA terminals.

Linking system

The two-pin jumper is used for the linking of adjoining terminals. To connect non-adjacent terminals the link rail, which can be cut to any required length, is inserted into the linking ducts and the terminals are connected with the one-pin plugs.

Bridges and plugs




No linking accessories are necessary for initiator/actuator terminals.

Insulation plates

8WA2 836 or 8WA2 845 insulation plates are used for isolation of the link rails.

Barriers

The yellow barriers protrude from the terminal line and are used as visual separation as well as to increase the rated insulation voltage.

End retainers and accessories

The 8WA2 808 end retainers are snapped onto the standard mounting rails to prevent the terminals from sliding out of place. For insulation of the 8WA2 842 neutral busbar, the 8WA2 837 busbar end (8WA2 826 for Insta terminals) is inserted in the end retainer.

There are several options for labeling the end retainers: the 8WA1 806 end labeling plate, the 8WA8 826-0A. terminal strip label and 4 labeling plates. The end retainers can also be used for the 8WA1 terminals with the 6 x 6 mm neutral busbar.

Retaining plates

The 8WA2 835 and 8WA2 844 retaining plates are used for fixing the 8WA2 830 link rail in position and for removing it from the linking duct.

Labeling accessories

For easier handling, the 8WA8 84. and 8WA8 86. labels are provided in card form with horizontal or vertical inscription, suitable for all terminals from 1.5 to 70 mm².

The 8WA2 850 label holders are included in delivery with the two-tier terminals. They can also be snapped into the sockets for test plugs on the standard terminals.

The 8WA2 838 group label is snapped onto retaining plates or insulation plates.

Lockouts

The 8WA2 848 lockout prevents impermissible switching of the neutral disconnector on terminals with a neutral isolating function.

10 × 3 mm neutral busbars and accessories

The 8WA2 843 busbar support is included in delivery with the 8WA2 011-1NK23 and -3JG11 feeder terminals. The busbar support can be inserted into the neutral isolating terminals or the Insta terminals with neutral isolating function in order to fix the 8WA2 842 neutral busbar in position.

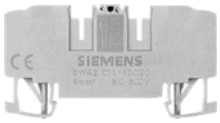
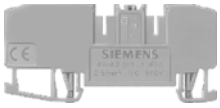
Test plugs

The terminals have openings for 8WA1 867 test plugs.

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **General details**<br>• Thermoplastic insulating body<br>• Front connection with spring-loaded terminal<br>• 1-pole<br>• Enclosed at both ends | | | | | | | | |
| Note | Section | Page | | | | | | |
| For labeling accessories see ... | 8WA accessories | 16/13 | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | | | |
|  <br>8WA2 011-1DF20<br>**Through-type terminals, terminal size 2.5 mm², with two clamping points**<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage 800 V<br>• Mounting width 5.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 60 mm<br>• cULus AWG 28-14<br>• CSA AWG 26-14 | | | | | | | | |
| Versions | | | | | | | | |
| • Light gray | | | A | **8WA2 011-1DF20** | | 1 | 50 | 041 |
| • Red | | | A | **8WA2 011-1BF21** | | 1 | 50 | 041 |
| • Blue | | | A | **8WA2 011-1BF23** | | 1 | 50 | 041 |
| Accessories | Section | Page | | | | | | |
| • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 835** | | 1 | 50 | 041 |
| • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 836** | | 1 | 50 | 041 |
| • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| • *Barriers, for terminal sizes 2.5 ... 6 mm², for two clamping points* | *Accessories* | 11/65 | C | **8WA2 811** | | 1 | 50 | 041 |
|  <br>8WA2 011-1DF30<br>**Through-type terminals, terminal size 2.5 mm², with three clamping points**<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage 800 V<br>• Mounting width 5.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 73.5 mm<br>• cULus AWG 28-14<br>• CSA AWG 26-14 | | | | | | | | |
| Versions | | | | | | | | |
| • Light gray | | | A | **8WA2 011-1DF30** | | 1 | 10 | 041 |
| • Blue | | | A | **8WA2 011-1BF33** | | 1 | 10 | 041 |
| Accessories | Section | Page | | | | | | |
| • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 835** | | 1 | 50 | 041 |
| • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 836** | | 1 | 50 | 041 |
| • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| • *Barriers, for terminal sizes 2.5 ... 4 mm², for three or four clamping points* | *Accessories* | 11/65 | C | **8WA2 813** | | 1 | 50 | 041 |

11

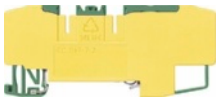
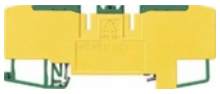
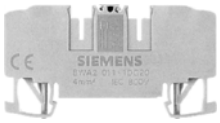
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA through-type terminals

**Products to be discontinued**

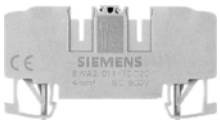
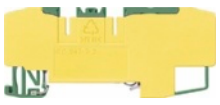
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WA2 011-1DF40 | **Through-type terminals, terminal size 2.5 mm², with four clamping points, 1-pole**<br>• Rated uninterrupted current 24 A<br>• Rated insulation voltage 800 V<br>• Mounting width 5.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 87 mm<br>• AWG 28-14<br>• AWG 26-14 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | A | **8WA2 011-1DF40** | | 1 | 10 | 041 |
| | • Blue | | | C | **8WA2 011-1BF43** | | 1 | 10 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| | • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 835** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 836** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal sizes 2.5 ... 4 mm², for three or four clamping points* | *Accessories* | 11/65 | C | **8WA2 813** | | 1 | 50 | 041 |
|  8WA2 011-1PF30 | **Through-type PE terminals, terminal size 2.5 mm²**<br>• Mounting width 5.2 mm<br>• Terminal height 28.6 mm<br>• With connection to standard mounting rail<br>• Green-yellow | | | | | | | | |
| | Versions | | | | | | | | |
|  8WA2 011-1PF40 | • With two clamping points<br>- Terminal length 60 mm | | | A | **8WA2 011-1PF20** | | 1 | 50 | 041 |
| | • With three clamping points<br>- Terminal length 73.5 mm | | | A | **8WA2 011-1PF30** | | 1 | 10 | 041 |
| | • With four clamping points<br>- Terminal length 87 mm | | | A | **8WA2 011-1PF40** | | 1 | 20 | 041 |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WA2 011-1DG20 | **Through-type terminals, terminal size 4 mm², with two clamping points**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 800 V<br>• Mounting width 6.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 65 mm<br>• AWG 28-12<br>• AWG 26-12 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | A | **8WA2 011-1DG20** | | 1 | 50 | 041 |
| | • Red | | | C | **8WA2 011-1BG21** | | 1 | 50 | 041 |
| | • Blue | | | C | **8WA2 011-1BG23** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| | • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 835** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 836** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal sizes 2.5 ... 6 mm², for two clamping points* | *Accessories* | 11/65 | C | **8WA2 811** | | 1 | 50 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WA2 011-1DG30 | **Through-type terminals, terminal size 4 mm², with three clamping points**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 800 V<br>• Mounting width 6.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 79.5 mm<br>• AWG 28-12<br>• AWG 26-12 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | A | **8WA2 011-1DG30** | | 1 | 10 | 041 |
| | • Blue | | | C | **8WA2 011-1BG33** | | 1 | 10 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| | • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 835** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/65 | C | **8WA2 836** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal sizes 2.5 ... 4 mm², for three or four clamping points* | *Accessories* | 11/65 | C | **8WA2 813** | | 1 | 50 | 041 |
|  8WA2 011-1PG30 | **Through-type PE terminals, terminal size 4 mm²**<br>• Mounting width 6.2 mm<br>• Terminal height 28.6 mm<br>• With connection to standard mounting rail<br>• Green-yellow | | | | | | | | |
| | Versions | | | | | | | | |
| | • With two clamping points<br>- Terminal length 65 mm | | | A | **8WA2 011-1PG20** | | 1 | 50 | 041 |
| | • With three clamping points<br>- Terminal length 79.5 mm | | | A | **8WA2 011-1PG30** | | 1 | 10 | 041 |
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WA2 011-1DH20 | **Through-type terminals, terminal size 6 mm², with two clamping points**<br>• Rated uninterrupted current 41 A<br>• Rated insulation voltage 800 V<br>• Mounting width 8.2 mm<br>• Terminal height 31 mm<br>• Terminal length 70 mm<br>• AWG 24-10<br>• AWG 24-10 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | A | **8WA2 011-1DH20** | | 1 | 50 | 041 |
| | • Blue | | | C | **8WA2 011-1BH23** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| | • *Retaining plates, for link rails, for terminal size 6 mm²* | *Accessories* | 11/65 | C | **8WA2 844** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal size 6 mm²* | *Accessories* | 11/65 | C | **8WA2 845** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/65 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal sizes 2.5 ... 6 mm², for two clamping points* | *Accessories* | 11/65 | C | **8WA2 811** | | 1 | 50 | 041 |
|  8WA2 011-1PH20 | **Through-type PE terminals, terminal size 6 mm², with two clamping points**<br>• Mounting width 8.2 mm<br>• Terminal height 31 mm<br>• Terminal length 70 mm<br>• With connection to standard mounting rail<br>• Green-yellow | | | A | **8WA2 011-1PH20** | | 1 | 50 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA through-type terminals

**Products to be discontinued**

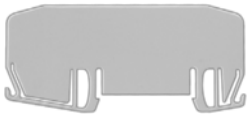
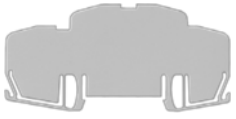
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 10 mm²** | | | | | | | | | |
|  8WA2 011-1DJ20 | **Through-type terminals, terminal size 10 mm², with two clamping points**<br>• Rated uninterrupted current 57 A<br>• Rated insulation voltage 800 V<br>• Mounting width 10 mm<br>• Terminal height 38 mm<br>• Terminal length 86 mm<br>• AWG 24-8 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | C | **8WA2 011-1DJ20** | | 1 | 20 | 041 |
| | • Blue | | | C | **8WA2 011-1BJ23** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 852** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 851** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | D | **8WA2 853** | | 1 | 5 | 041 |
| | • *Barriers, for terminal sizes 10 ... 16 mm², for two clamping points* | *Accessories* | 11/65 | C | **8WA2 817** | | 1 | 50 | 041 |
|  8WA2 011-1PJ20 | **Through-type PE terminals, terminal size 10 mm², with two clamping points**<br>• Green-yellow<br>• Mounting width 10 mm<br>• Terminal height 38 mm<br>• Terminal length 86 mm<br>• With connection to standard mounting rail | | | C | **8WA2 011-1PJ20** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Two-pin jumpers, PE/ground/N function, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 854** | | 1 | 20/500 | 041 |
| **Terminal size 16 mm²** | | | | | | | | | |
|  8WA2 011-1DK20 | **Through-type terminals, terminal size 16 mm², with two clamping points**<br>• Rated uninterrupted current 76 A<br>• Rated insulation voltage 800 V<br>• Mounting width 12 mm<br>• Terminal height 38 mm<br>• Terminal length 89.4 mm<br>• AWG 24-6 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray | | | A | **8WA2 011-1DK20** | | 1 | 20 | 041 |
| | • Blue | | | C | **8WA2 011-1BK23** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 852** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 851** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | D | **8WA2 853** | | 1 | 5 | 041 |
| | • *Barriers, for terminal sizes 10 ... 16 mm², for two clamping points* | *Accessories* | 11/65 | C | **8WA2 817** | | 1 | 50 | 041 |
|  8WA2 011-1PK20 | **Through-type PE terminals, terminal size 16 mm², with two clamping points**<br>• Green-yellow<br>• Mounting width 12 mm<br>• Terminal height 38 mm<br>• Terminal length 89.4 mm<br>• With connection to standard mounting rail | | | C | **8WA2 011-1PK20** | | 1 | 20 | 041 |
| | Accessories | Section | Page | | | | | | |
| | *Two-pin jumpers, PE/ground/N function, for terminal sizes 10 ... 16 mm²* | *Accessories* | 11/65 | C | **8WA2 854** | | 1 | 20/500 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
| | **One-pin plugs**<br>Black | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 6 mm²<br>- Rated uninterrupted current 32 A<br>- Used together with *link rails, for terminal sizes 2.5 ... 6 mm²* | C | **8WA2 832** | | 1 | 50 | 041 |
| | • One-pin plugs, for terminal sizes 10 to 16 mm²<br>- Rated uninterrupted current 76 A<br>- Used together with *link rails, for terminal sizes 10 ... 16 mm²* | C | **8WA2 852** | | 1 | 50 | 041 |
|  <br>8WA2 831 | **Two-pin jumpers**<br>• Light gray<br>• For use without link rail | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 6 mm²<br>- Rated uninterrupted current 32 A | C | **8WA2 831** | | 1 | 50/ 1000 | 041 |
| | • For terminal sizes 10 ... 16 mm²<br>- Rated uninterrupted current 76 A | C | **8WA2 851** | | 1 | 50 | 041 |
| | **Two-pin jumpers, PE/ground/N function, for terminal sizes 10 ... 16 mm²**<br>• Yellow<br>• Rated uninterrupted current 76 A<br>• For use without link rail | C | **8WA2 854** | | 1 | 20/500 | 041 |
|  <br>8WA2 835 | **Retaining plates for link rails**<br>• Light gray<br>• 100 mm long | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 4 mm²<br>• For terminal size 6 mm² | C<br>C | **8WA2 835**<br>**8WA2 844** | | 1<br>1 | 50<br>50 | 041<br>041 |
|  <br>8WA2 836 | **Insulation plates**<br>Yellow | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 4 mm²<br>• For terminal size 6 mm² | C<br>C | **8WA2 836**<br>**8WA2 845** | | 1<br>1 | 50<br>50 | 041<br>041 |
| | **Link rails**<br>• 500 mm long<br>• Used together with *one-pin plugs* | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 6 mm²<br>- Rated uninterrupted current 32 A | C | **8WA2 830** | | 1 | 20 | 041 |
| | • For terminal sizes 10 ... 16 mm²<br>- Rated uninterrupted current 76 A | D | **8WA2 853** | | 1 | 5 | 041 |
|  <br>8WA2 811 | **Barriers**<br>Yellow | | | | | | |
| | Versions | | | | | | |
| | • For terminal sizes 2.5 ... 6 mm², for two clamping points | C | **8WA2 811** | | 1 | 50 | 041 |
| | • For terminal sizes 2.5 ... 4 mm², for three or four clamping points | C | **8WA2 813** | | 1 | 50 | 041 |
| | • For terminal size 4 mm², for two-tier terminals | C | **8WA2 812** | | 1 | 50 | 041 |
| | • For terminal sizes 10 ... 16 mm², for two clamping points | C | **8WA2 817** | | 1 | 50 | 041 |
|  <br>8WA2 813 | | | | | | | |
|  <br>8WA2 812 | | | | | | | |

11

* You can order this quantity or a multiple thereof.

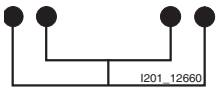
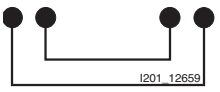
© Siemens AG 2010



## 8WA two-tier terminals

**Products to be discontinued**

### Selection and ordering data

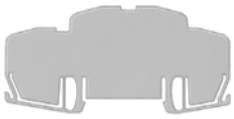
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Front connection, spring loaded<br>• Enclosed at both ends | | | | | | | | |
| | Note | Section | Page | | | | | | |
| | *For labeling accessories see ...* | *Accessories* | 16/13 | | | | | | |
| **Terminal size 4 mm²** | | | | | | | | | |
|  <br>8WA2 011-2DG40 | **Two-tier terminals, terminal size 4 mm², 1-pole**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 800 V<br>• Mounting width 6.2 mm<br>• Terminal height 45.5 mm<br>• Terminal length 88.2 mm<br>• AWG 28-12<br>• AWG 26-12<br>• With 1 x three clamping points<br>• Light gray | | | A | **8WA2 011-2DG40** | | 1 | 50 | 041 |
|  <br>8WA2 011-2DG40 | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 831** | | 1 | 50/1000 | 041 |
| | • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/67 | C | **8WA2 835** | | 1 | 50 | 041 |
| | • *Label holders, for terminal sizes 2.5 ... 16 mm² (included in delivery with the two-tier terminals, can also be used for through-type terminals)* | *Accessories* | 11/67 | C | **8WA2 850** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/67 | C | **8WA2 836** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal size 4 mm², for two-tier terminals* | *Accessories* | 11/67 | C | **8WA2 812** | | 1 | 50 | 041 |
|  <br>8WA2 011-2DG20 | **Two-tier terminals, terminal size 4 mm², 2-pole**<br>• Rated uninterrupted current 32 A<br>• Rated insulation voltage 690 V<br>• Mounting width 6.2 mm<br>• Terminal height 45.5 mm<br>• Terminal length 88.2 mm<br>• AWG 28-12<br>• AWG 26-12<br>• With 2 x two clamping points | | | | | | | | |
| | Versions | | | | | | | | |
| | • Light gray<br>- Delivery includes two label holders<br>- 2 more can be fitted if required | | | A | **8WA2 011-2DG20** | | 1 | 50 | 041 |
| | • Blue | | | C | **8WA2 011-2BG23** | | 1 | 50 | 041 |
| | Accessories | Section | Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 831** | | 1 | 50/1000 | 041 |
| | • *Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/67 | C | **8WA2 835** | | 1 | 50 | 041 |
| | • *Label holders, for terminal sizes 2.5 ... 16 mm² (included in delivery with the two-tier terminals, can also be used for through-type terminals)* | *Accessories* | 11/67 | C | **8WA2 850** | | 1 | 50 | 041 |
| | • *Insulation plates, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 11/67 | C | **8WA2 836** | | 1 | 50 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* | *Accessories* | 11/67 | C | **8WA2 830** | | 1 | 20 | 041 |
| | • *Barriers, for terminal size 4 mm², for two-tier terminals* | *Accessories* | 11/67 | C | **8WA2 812** | | 1 | 50 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WA2 832 | **One-pin plugs, for terminal sizes 2.5 ... 6 mm²**<br>• For bridging with link rail<br>• Black<br>• Rated uninterrupted current 32 A | C | **8WA2 832** | | 1 | 50 | 041 |
|  8WA2 831 | **Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²**<br>• Light gray<br>• Rated uninterrupted current 32 A<br>• For use without link rail | C | **8WA2 831** | | 1 | 50/1000 | 041 |
|  8WA2 835 | **Retaining plates, for link rails, for terminal sizes 2.5 ... 4 mm²**<br>• Light gray<br>• 100 mm long | C | **8WA2 835** | | 1 | 50 | 041 |
|  8WA2 850 | **Label holders, for terminal sizes 2.5 ... 16 mm²**<br>• Light gray<br>• Without label | C | **8WA2 850** | | 1 | 50 | 041 |
|  8WA2 836 | **Insulation plates, for terminal sizes 2.5 ... 4 mm²**<br>Yellow | C | **8WA2 836** | | 1 | 50 | 041 |
| | **Link rails, for terminal sizes 2.5 ... 6 mm²**<br>• For bridging<br>• 500 mm long<br>• Rated uninterrupted current 32 A | C | **8WA2 830** | | 1 | 20 | 041 |
|  8WA2 812 | **Barriers, for terminal size 4 mm², for two-tier terminals**<br>Yellow | C | **8WA2 812** | | 1 | 50 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WA fuse terminals

**Products to be discontinued**

### Overview

Fuse terminals are used to protect control circuits against short-circuits.

The fuse terminals are intended for 5 mm × 20 mm and 5 mm × 25 mm G fuse links up to 6.3 A and 250 V and for bridging links up to 16 A and 800 V and have a mounting for a replacement fuse link.

Fuse terminals are positive opening fuse-disconnectors.

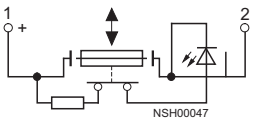
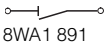
The fuse links must be replaced at zero voltage.

Finger safety is ensured in both closed and open positions.

The LED indicates the status of the disconnected fuse (residual current from 2 to 5 mA), but not if the plug is removed (floating).

The fixing base of the terminal allows both centered and recessed mounting, allowing the unhindered routing of a 10 mm x 3 mm copper busbar. The fuse terminal can therefore be combined with other terminals of a branch to form a group.

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Front connection with spring-loaded terminal<br>• Enclosed at both ends | | | | | | |
| **Terminal size 4 mm²** | | | | | | | |
|  <br>8WA2 011-1SG20 | **Fuse terminals, terminal size 4 mm²**<br>• Light gray<br>• Rated uninterrupted current 6.3 A (when using fuses)<br>• Mounting width 10 mm<br>• Terminal height 32.5 mm<br>• Terminal length 73.5 mm<br>• Screwless | | | | | | |
|  <br>8WA2 011-1SG20 | Versions | | | | | | |
| | • Rated insulation voltage 800 V | C | **8WA2 011-1SG20** | | 1 | 10 | 041 |
| | • Rated insulation voltage 24/250 V, with LED, 24 V AC/DC | C | **8WA2 011-1SG21** | | 1 | 10 | 041 |
| | • Rated insulation voltage 48/250 V, with LED, 48 V AC/DC | C | **8WA2 011-1SG22** | | 1 | 10 | 041 |
| | • Rated insulation voltage 230/250 V, with LED, 230 V AC/DC | C | **8WA2 011-1SG23** | | 1 | 10 | 041 |
| | Accessories — Section — Page | | | | | | |
| | *G fuse links* | | | | | | |
| | *• Quick, high breaking capacity: 1.5 kA* | | | | | | |
| | *- Rated uninterrupted current 1 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF16** | | 1 | 10/200 | 041 |
| | *- Rated uninterrupted current 1.6 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF18** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 2.5 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF21** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 4 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF23** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 6.3 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF25** | | 1 | 10 | 041 |
| | *• Slow, low breaking capacity: 35 A at $I_n \leq 2.5$ A, 10 x $I_n$ at $I_n > 2.5$ V* | | | | | | |
| | *- Rated uninterrupted current 1 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF76** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 1.6 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF78** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 2.5 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF81** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 4 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF83** | | 1 | 10 | 041 |
| | *- Rated uninterrupted current 6.3 A* — *Accessories* — 11/68 | D | **8WA1 822-7EF85** | | 1 | 10 | 041 |
| | *Bridging links* — *Accessories* — 11/68 | D | **8WA1 891** | | 1 | 10 | 041 |
| **Accessories** | | | | | | | |
|  <br>8WA1 822-7EF16 | **G fuse links**<br>• IEC 60127-2, DIN VDE 0820 Part 22<br>• Rated insulation voltage 250 V | | | | | | |
|  <br>8WA1 822-7EF16 | Versions | | | | | | |
| | • Quick, high breaking capacity: 1.5 kA | | | | | | |
| | - Rated uninterrupted current 1 A | D | **8WA1 822-7EF16** | | 1 | 10/200 | 041 |
| | - Rated uninterrupted current 1.6 A | D | **8WA1 822-7EF18** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 2.5 A | D | **8WA1 822-7EF21** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 4 A | D | **8WA1 822-7EF23** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 6.3 A | D | **8WA1 822-7EF25** | | 1 | 10 | 041 |
| | • Slow, low breaking capacity: 35 A at $I_n \leq 2.5$ A, 10 x $I_n$ at $I_n > 2.5$ V | | | | | | |
| | - Rated uninterrupted current 1 A | D | **8WA1 822-7EF76** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 1.6 A | D | **8WA1 822-7EF78** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 2.5 A | D | **8WA1 822-7EF81** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 4 A | D | **8WA1 822-7EF83** | | 1 | 10 | 041 |
| | - Rated uninterrupted current 6.3 A | D | **8WA1 822-7EF85** | | 1 | 10 | 041 |
|  <br>8WA1 891 | **Bridging links**<br>• 2 mm x 25 mm<br>• Rated uninterrupted current 16 A (when using the bridging link)<br>• Rated insulation voltage 800 V | D | **8WA1 891** | | 1 | 10 | 041 |
|  <br>8WA1 891 | | | | | | | |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Front connection with spring-loaded terminal<br>• Enclosed at both ends | | | | | | |
| **Terminal size 2.5 mm²** | | | | | | | |
|  <br>8WA2 011-1LF20<br><br>8WA2 011-1LF20 | **Sliding-link terminals, terminal size 2.5 mm²**<br>• Light gray<br>• Rated uninterrupted current 16 A<br>• Rated insulation voltage 400 V<br>• Mounting width 5.2 mm<br>• Terminal height 28.6 mm<br>• Terminal length 60 mm<br>• For isolation of current path without disconnecting the conductors<br>• Screwless<br>• Enclosed at both ends | C | **8WA2 011-1LF20** | | 1 | 10 | 041 |
| | Accessories — Section — Page | | | | | | |
| | • *One-pin plugs, for terminal sizes 2.5 ... 6 mm²* — *Accessories* — 11/69 | C | **8WA2 832** | | 1 | 50 | 041 |
| | • *Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²* — *Accessories* — 11/69 | C | **8WA2 831** | | 1 | 50/1000 | 041 |
| | • *Link rails, for terminal sizes 2.5 ... 6 mm²* — *Accessories* — 11/69 | C | **8WA2 830** | | 1 | 20 | 041 |
| **Accessories** | | | | | | | |
| | **One-pin plugs, for terminal sizes 2.5 ... 6 mm²**<br>• For bridging with link rail<br>• Black<br>• Rated uninterrupted current 32 A | C | **8WA2 832** | | 1 | 50 | 041 |
|  <br>8WA2 831 | **Two-pin jumpers, for terminal sizes 2.5 ... 6 mm²**<br>• Light gray<br>• Rated uninterrupted current 32 A<br>• For use without link rail | C | **8WA2 831** | | 1 | 50/1000 | 041 |
| | **Link rails, for terminal sizes 2.5 ... 6 mm²**<br>• For bridging<br>• 500 mm long<br>• Rated uninterrupted current 32 A | C | **8WA2 830** | | 1 | 20 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

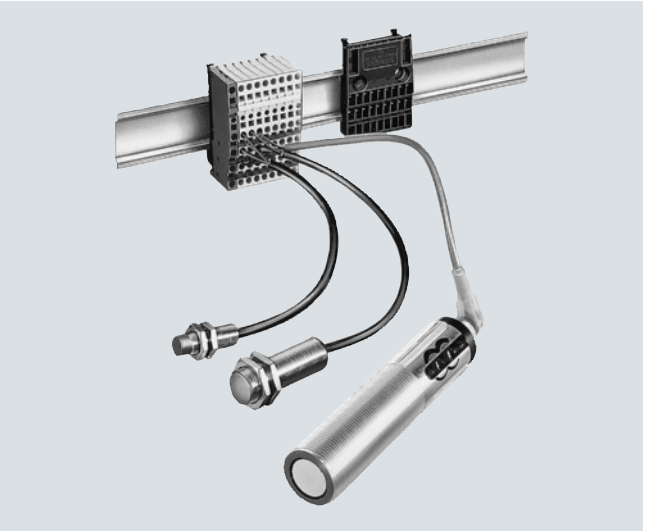


## 8WA initiator/actuator terminals

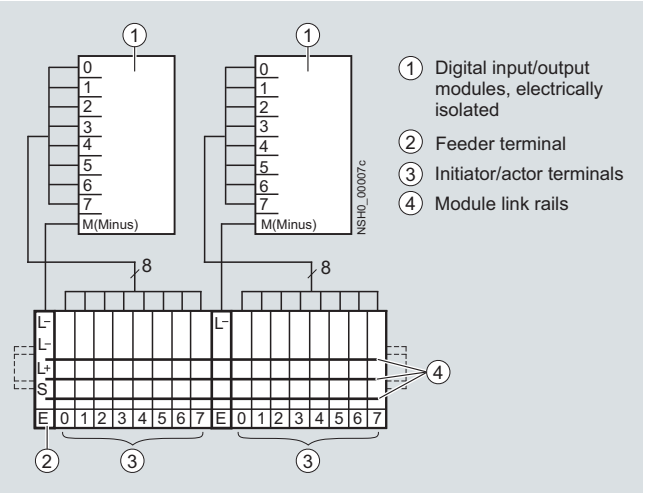
### Overview

- Fast and cost-effective connection from signal transmitters to the PLC
- Only 5 mm wide but still fitted with connection option for proximity switches with up to three conductors plus shielding
- Connection is clear, simple and safe due to:
  - Front connection
  - Color coding of clamping points
  - Conductors from only 0.08 to 1.5 mm² without end sleeves that are secured using spring-loaded terminals
- LEDs make the switch states or the application of voltage visible, it is no longer necessary to test with measuring instruments
- Connection modules cut wiring requirements and time because the potentials of the terminals (L+, L– and S) are automatically connected; there is therefore no need for linking accessories
- The modules contain a feeder terminal and 8 or 17 initiator/actuator terminals and can be snapped or screwed onto 35 mm standard mounting rails

The feeder terminals are fitted with an additional negative outgoing feeder which can be used to supply isolated digital input/output modules. The frame (M) can therefore be bridged by means of the terminals.



Terminals and connection modules (always order as combined unit)

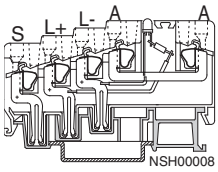
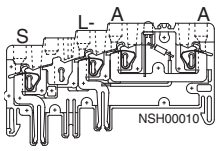



Initiator/actuator terminals with electrically isolated digital input/output modules

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **General details**<br>• Thermoplastic insulating body<br>• Front connection with spring-loaded terminal<br>• L+ = brown S (shield) = green<br>L- = blue A (output), connection not colored<br>• Enclosed at both ends | | | | | | |
| | Note: *For labeling accessories see ...* — Section: *8WA accesso-ries* — Page: 16/13 | | | | | | |
| **Terminal size 1.5 mm²** | | | | | | | |
|  <br>8WA2 011-3KE00 | **Feeder terminals, terminal size 1.5 mm²**<br>• Orange<br>• Rated uninterrupted current 10 A<br>• Rated insulation voltage 65 V<br>• Mounting width 5 mm<br>• For 250 V, pollution degree 2 | | | | | | |
| | Versions | | | | | | |
| | • PNP | | | | | | |
| | - L+, L-, S, without LED | C | **8WA2 011-3KE00** | | 1 | 20 | 041 |
| | - L+, L- , without LED | C | **8WA2 011-3KE01** | | 1 | 20 | 041 |
| | - L+, L-, S, with green LED, 15 ... 30 V | C | **8WA2 011-3KE02** | | 1 | 20 | 041 |
| | • NPN | | | | | | |
| | - L+, L-, S, without LED | C | **8WA2 011-3KE00** | | 1 | 20 | 041 |
| | - L+, L-, without LED or ground connection | C | **8WA2 011-3KE01** | | 1 | 20 | 041 |
|  <br>8WA2 011-3KE13<br>initiator terminal<br>with connection module | **Initiator terminals, terminal size 1.5 mm²**<br>• Light gray<br>• Rated uninterrupted current 10 A<br>• Rated insulation voltage 65 V<br>• Mounting width 5 mm<br>• For 250 V, pollution degree 2<br>• Current consumption with LED 4.8 mA<br>• PNP | | | | | | |
| | Versions | | | | | | |
| | • L+, L-, A, without LED | C | **8WA2 011-3KE10** | | 1 | 20 | 041 |
| | • L+, L-, S, A, without LED | C | **8WA2 011-3KE11** | | 1 | 20 | 041 |
| | • L+, L-, A, with yellow LED, 15 ... 30 V | C | **8WA2 011-3KE12** | | 1 | 20 | 041 |
| | • L+, L-, S, A, with yellow LED, 15 ... 30 V | C | **8WA2 011-3KE13** | | 1 | 20 | 041 |
|  <br>8WA2 011-3KE33<br>actuator terminals<br>with LED | **Actuator terminals, terminal size 1.5 mm²**<br>• Light gray<br>• Rated uninterrupted current 10 A<br>• Rated insulation voltage 65 V<br>• Mounting width 5 mm<br>• For 250 V, pollution degree 2<br>• Current consumption with LED 4.8 mA | | | | | | |
| | Versions | | | | | | |
| | • PNP | | | | | | |
| | - L-, S, A, without LED | C | **8WA2 011-3KE31** | | 1 | 20 | 041 |
| | - L-, S, A, with yellow LED, 15 ... 30 V | C | **8WA2 011-3KE33** | | 1 | 20 | 041 |
| | • NPN | | | | | | |
| | - L+, S, A, without LED | C | **8WA2 011-3KE30** | | 1 | 20 | 041 |
|  <br>8WA2 011-3KE50 | **Connection modules, terminal size 1.5 mm², for all PNP and NPN terminals**<br>• Black<br>• Rated uninterrupted current 10 A<br>• Rated insulation voltage 65 V<br>• Mounting width 5 mm<br>• For 250 V, pollution degree 2<br>• L+, L-, S integrated | | | | | | |
| | Versions | | | | | | |
| | • For 8 initiator/actuator terminals and one feeder terminal<br>- Width 47 mm<br>- Height 65 mm | C | **8WA2 011-3KE50** | | 1 | 10 | 041 |
| | • For 16 initiator/actuator terminals, one feeder terminal and space for one terminal for further linking for subsequent module<br>- Width 93 mm<br>- Height 65 mm | C | **8WA2 011-3KE51** | | 1 | 5 | 041 |
| **Accessories** | | | | | | | |
|  <br>8WA2 822 | **Insulation stops, for conductors, for terminal sizes 2.5 ... 4 mm²**<br>• 200 strands 5-fold<br>• 0.75 to 1.5 mm²<br>• Dark gray | C | **8WA2 822** | | 100 | 1000 | 041 |

11

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Technical specifications

### Continuous load at increased ambient temperatures

8WA2 terminal blocks can be loaded with their full uninterrupted current at ambient temperatures of up to +55 °C. At higher ambient temperatures, a current reduction according to the following formula is required:

$I_{th2'} = I_{th2} \cdot k$

$I_{th}$ = Uninterrupted current according to selection tables, relative to the nominal cross-section
$I_{th2'}$ = Uninterrupted current at increased ambient temperature
$k$ = Derating factor according to table

| Ambient temperature | Derating factor *k* |
|---|---|
| 60 °C | 0.94 |
| 65 °C | 0.88 |
| 70 °C | 0.82 |
| 75 °C | 0.75 |
| 80 °C | 0.67 |
| 85 °C | 0.58 |
| 90 °C | 0.47 |
| 95 °C | 0.33 |

The maximum terminal overtemperature of 45 K according to IEC 60947-7-1 and EN 60947-7-1, Part 1, is not exceeded at ambient temperatures up to 100 °C.

### Standard mounting rails as PEN rails

Only Cu busbars must be used.

They must have the same current carrying capacity as protective conductor busbars.

PEN busbars must carry only terminals and no devices.

### Standard mounting rails as protective conductor busbars

Protective conductors with a larger cross-section than the protective conductor busbar, and with the same conductivity, can be connected to standard mounting rails that are also protective conductor busbars and carry current only under fault conditions.

| Standard mounting rail acc. to IEC 60715 TH35 | Material | Type | Max. permissible cross-section of connected protective conductor mm² |
|---|---|---|---|
| 35 × 7.5 | Steel | 5ST1 141 | 16 |
| | Steel, perforated | 5ST1 145 | 16 |
| Similar to 35 × 15 | Steel | 5ST1 142 | 35 |
| | Steel | -- | 50 |
| | Copper | 8WA7 551 | 50<br>150 [1] |

[1] With 8WA1 010-1PQ00 terminal connection of up to 95 mm² finely stranded or 120 mm² stranded.

### Clamping points

| Terminal size mm² | Type | Thread diameter of terminal screws | Screwdriver blades acc. to DIN 5264 8WA2 803 or 8WA2 804 [1] | Tightening torque = test torque Nm | Tensile forces acc. to IEC 60947-1 at max. conductor connection N | Stripped length mm |
|---|---|---|---|---|---|---|
| 1.5 | 8WA2 011-3KE [1] | -- | 0.5 × 3.5 | -- | 40 | 8 ... 9 |
| 2.5 | 8WA2 011- [1] | -- | 0.5 × 3.5 | -- | 50 | 7 ... 9 |
| 4 | 8WA2 011- [1] | -- | 0.5 × 3.5 | -- | 60 | 8 ... 10 |
| 6 | 8WA2 011- [1] | -- | 0.5 × 3.5 | -- | 80 | 11 ... 13 |
| 10 | 8WA2 011- [2] | -- | 0.8 × 5.5 | -- | 90 | -- |
| 16 | 8WA2 011-1NK23,<br>8WA2 011-3JG11 | M 4 | 0.8 × 4 | 1.2 | 100 | 13 |

[1] 8WA2 803 operating device.

[2] 8WA2 806 operating device.

### Rated impulse withstand voltage of terminal blocks

Values depend on the mains rated voltage ≤ rated insulation voltage of terminal block; excerpt from EN 60947-1, table H.1.

Terminal blocks are tested to overvoltage category III.

| Rated mains voltage (≤ Rated insulating voltage of the device) RMS value V AC | | Highest rated operational voltage to ground RMS value V AC or DC | Preferred values for rated impulse withstand voltage as 1.2/50 µs-pulse Overvoltage category I kV | II kV | III kV | IV kV |
|---|---|---|---|---|---|---|
| -- | | 50 | 330 | 500 | 800 | 1500 |
| 66/115 | | 100 | 500 | 800 | 1500 | 2500 |
| 120/208 | 127/220 | 150 | 800 | 1500 | 2500 | 4000 |
| 230/400 | 277/480 | 300 | 1500 | 2500 | 4000 | 6000 |
| 400/690 | | 600 | 2500 | 4000 | 6000 | 8000 |
| 1000 | | 1000 | 4000 | 6000 | 8000 | 12000 |

© Siemens AG 2010



### Single-conductor connection

| Terminal size | Type | Smallest conductor cross-section | | | | | Largest conductor cross-section | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve[1] | | Solid | Stranded | Finely stranded | Finely stranded with end sleeve[1] | |
| $mm^2$ | | $mm^2$ | $mm^2$ | $mm^2$ | $mm^2$ | Size | $mm^2$ | $mm^2$ | $mm^2$ | $mm^2$ | Size |
| 1.5 | 8WA2 011-3KE . . | 0.08 | 0.5 | 0.2 | -- | -- | 1.5 | 1.5 | 1.5 | -- | -- |
| 2.5 | 8WA2 011-1 . . . . | 0.08 | 0.08 | 0.08 | 0.08 | -- | 2.5 | 2.5 | 2.5 | 1.5 | 1.5 ... 7 |
| 4 | 8WA2 011-. . . . . | 0.08 | 0.08 | 0.08 | 0.08 | -- | 4 | 4 | 4 | 2.5 | 2.5 ... 9 |
| 6 | 8WA2 011-1 . H . . | 0.2 | 0.2 | 0.2 | 0.2 | -- | 6 | 6 | 6 | 4 | 4 ... 12 |
| 10 | 8AW2 011-1 . J . . | 0.2 | 0.2 | 0.2 | 0.2 | -- | 10 | 10 | 10 | 6 | -- |
| 16 | 8AW2 011-1 . K . . | 0.2 | 0.2 | 0.2 | 0.2 | -- | 10 | 16 | 16 | 10 | -- |
| | 8WA2 011-1NK23, -3JG11 | 1 | 10 | 2.5 | 1 | 1 ... 10 | 16 | 25 | 16 | 16 | 16 ... 12 |

[1] End sleeves according to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

### $\mathbb{S}$- and $\mathbb{W}$rating

| Terminal size | Type | CSA rating | | | UR rating | | |
|---|---|---|---|---|---|---|---|
| | | AWG | Rated current $I_n$ | Rated voltage $U_e$ | AWG | Rated current $I_n$ | Rated voltage $U_e$ |
| $mm^2$ | | | A | V | | A | V |
| 1.5 | 8WA2 011-3KE | 28 ... 16 | 10 | AC 65 DC | 22 ... 16 | 10 | 65 |
| 2.5 | 8WA2 011-1 . F . . | 26 ... 14 | 20 | 600 | 28 ... 14 | 20 | 600 |
| 4 | 8WA2 011-1 . G . . | 26 ... 12 | 25 | 600 | 28 ... 12 | 25 | 600 |
| | 8WA2 011-2 . . . | 28 ... 12 | 25 | 600 | 28 ... 12 | 20 | 600 |
| | 8WA2 011-3JG1 . | 28 ... 12 | 25 | 300 | 28 ... 12 | 20 | 300 |
| 6 | 8WA2 011-1 . H . . | 24 ... 10 | 40 | 600 | 24 ... 10 | 40 | 600 |
| 10 | 8WA2 011-1 . J . . [1] | 24 ... 8 | | | 24 ... 8 | | |
| 16 | 8WA2 011-3JG11, -3NK23 | 12 ... 4 | 70 | 600 | 12 ... 4 | 73 | 600 |
| | 8WA2 011-1 . K . . [1] | 24 ... 6 | | | 24 ... 6 | | |

[1] The terminals have been submitted for certification.

### Conductor cross-sections to AWG "American Wire Gauge"

| AWG No. | Wire diameter mm | Cross-section $mm^2$ | AWG No. | Wire diameter mm | Cross-section $mm^2$ | AWG No. | Wire diameter mm | Cross-section $mm^2$ |
|---|---|---|---|---|---|---|---|---|
| 30 | 0.254 | 0.051 | 18 | 1.024 | 0.82 | 6 | 4.115 | 13.30 |
| 29 | 0.287 | 0.065 | 17 | 1.151 | 1.04 | 5 | 4.620 | 16.77 |
| 28 | 0.320 | 0.081 | 16 | 1.290 | 1.31 | 4 | 5.189 | 21.15 |
| 27 | 0.363 | 0.102 | 15 | 1.450 | 1.65 | 3 | 5.827 | 26.66 |
| 26 | 0.404 | 0.128 | 14 | 1.628 | 2.08 | 2 | 6.543 | 33.62 |
| 25 | 0.455 | 0.163 | 13 | 1.829 | 2.63 | 1 | 7.348 | 42.41 |
| 24 | 0.511 | 0.205 | 12 | 2.052 | 3.31 | 1/0 | 8.252 | 53.52 |
| 23 | 0.574 | 0.259 | 11 | 2.304 | 4.17 | 2/0 | 9.266 | 67.43 |
| 22 | 0.643 | 0.33 | 10 | 2.588 | 5.26 | 3/0 | 10.404 | 85.01 |
| 21 | 0.724 | 0.41 | 9 | 2.906 | 6.63 | 4/0 | 11.684 | 107.21 |
| 20 | 0.813 | 0.52 | 8 | 3.268 | 8.37 | 5/0 | -- | 135.35 |
| 19 | 0.912 | 0.65 | 7 | 3.665 | 10.55 | 6/0 | -- | 170.50 |

© Siemens AG 2010

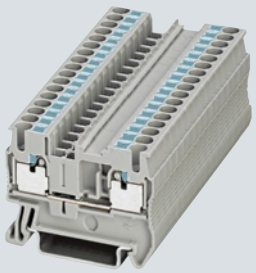


## Notes

© Siemens AG 2010

# iPo Plug-In Terminals






12/2 **Introduction**

12/3 **General data**

12/4 **8WH6 through-type terminals**

12/6 **8WH6 isolating blade terminals**

12/8 **8WH6 isolating terminals**

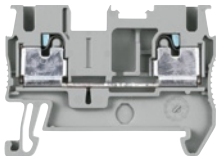
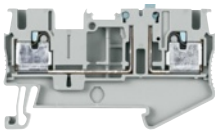
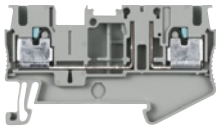
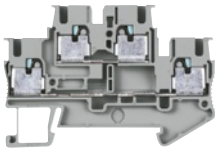
12/10 **8WH6 two-tier terminals**

© Siemens AG 2010



## Introduction

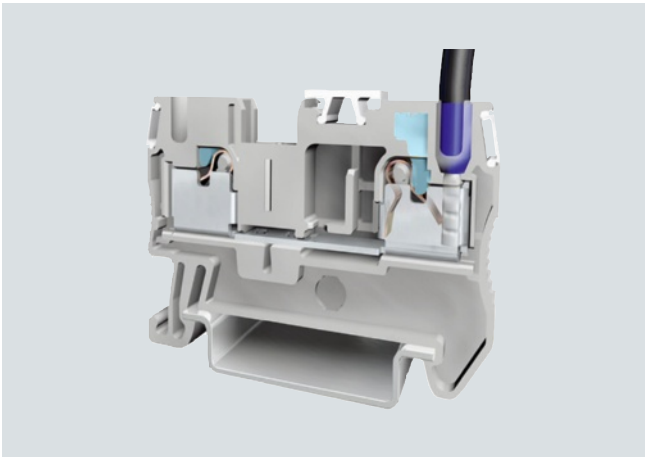
### Overview

| | Devices | Page | Function |
|---|---|---|---|
|  | Through-type terminals | 12/4 | Connection of incoming and outgoing cables |
|  | Isolating blade terminals | 12/6 | Isolation of the circuit, for example, for test purposes |
|  | Isolating terminals | 12/8 | Isolation of the circuit, for example, for test purposes |
|  | Two-tier terminals | 12/10 | Compact form of the terminal block in which two connecting cables can be installed |

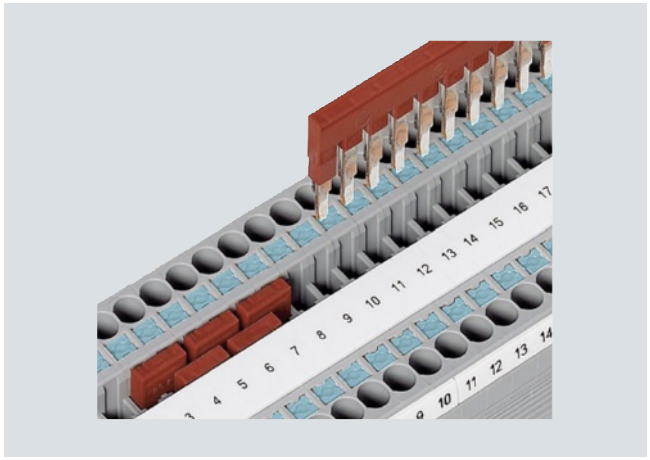
© Siemens AG 2010



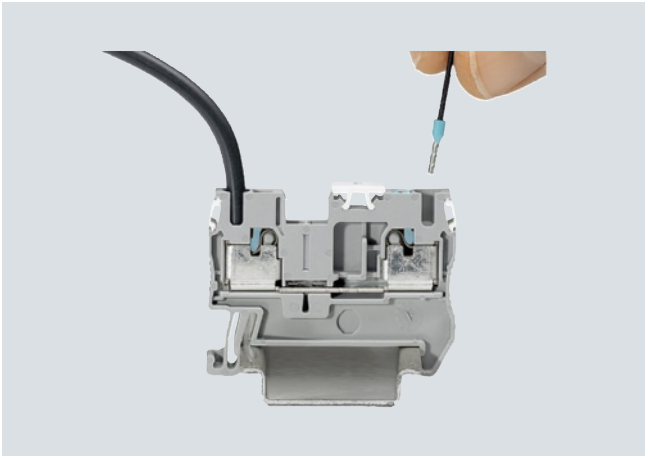
## Overview



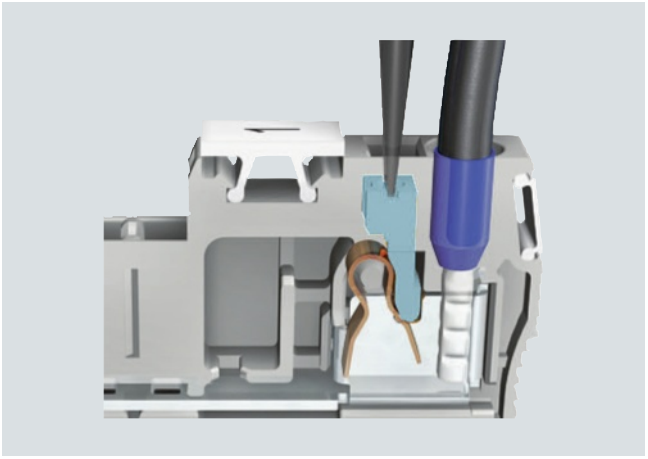
iPo connection components: characterized by its simple and direct conductor connection, this series exploits all the benefits of the 8WH system.



Easy linking: the double bridge slot supports connection of any number of terminals using 2-pole jumpers. The 2 to 50-pole jumpers allow up to 50 terminals to be linked in one single step.



Super-light plug: with a 50 % lower insertion force, the iPo connection method allows easy and direct insertion of rigid and flexible conductors with end sleeves with a cross-section greater than 0.34 $mm^2$ .



Printers function: the actuation key is used to open the spring to either release the conductor or connect smaller cross-sections from 0.14 $mm^2$. It can be used with any tool.

© Siemens AG 2010



## 8WH6 through-type terminals

### Overview



8WH6 through-type terminals are ideal for the direct tool-free wiring of conductors with end sleeve or rigid conductors. Easy insertion of flexible conductors with end sleeves upwards of 0.34 mm$^2$. The actuation key can be used to open the clamping point with any type of screwdriver in order to unwire or wire small conductors. The compact design and front connection permit wiring in the narrowest of spaces. The double bridge slot enables fast creation of an individual potential distribution and infeed, e.g. using a screw terminal.

### Technical specifications

| | 8WH6 000-0AF00<br>8WH6 000-0AF01 | 8WH6 003-0AF00<br>8WH6 003-0AF01 | 8WH6 004-0AF00<br>8WH6 004-0AF01 |
|---|---|---|---|
| Dimensions | | | |
| • Width / Length / Height (NS 35/7.5) in mm | 5.2 / 48.5 / 36.5 | 5.2 / 60.5 / 36.5 | 5.2 / 72 / 36.5 |
| Max. electrical data | | | |
| • $I_{max}$ in A | 30 | 30[1)] | |
| • $U_{max}$ in V | 800 | | |
| • Max. Ø in mm$^2$ | 0.14 ... 4 | | |
| • AWG | 26-12 | | |
| Rating acc. to IEC 60947-7-1 | | | |
| • Rated voltage in V (IEC / UL/CSA) | 800 / 600 | | 800 / -- |
| • Rated current in A / cross-section in mm$^2$ | | | |
| - IEC | 24 / 2.5 | 24[1)] / 2.5 | |
| - UL/CSA | 20 / -- | | -- |
| • Nominal cross-section in mm$^2$ | 2.5 | | |
| • AWG cross-sectional range (IEC / UL/CSA) | 26-12 / 24-12 | | 26-12 / -- |
| Connection capacities | | | |
| • 1-wire | | | |
| - Rigid in mm$^2$ | 0.14 ... 4 | | |
| - Flexible in mm$^2$ | 0.14 ... 2.5 | | |
| - Flexible end sleeve with/without plastic sleeve in mm$^2$ | 0.14 ... 2.5 | | |
| • 2 conductors, flexible, with TWIN end sleeve in mm$^2$ | 0.5 | | |
| • Conductor cross-section, direct plug-in | | | |
| - Rigid in mm$^2$ | 0.34 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm$^2$ | 0.34 ... 2.5 | | |
| General Data | | | |
| • Stripped length in mm | 10 | | |
| • Molded plastic | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |

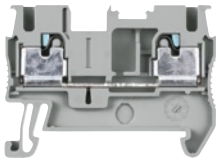
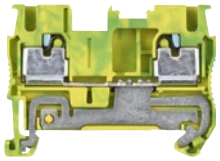
1) The total current through all connected conductors must not exceed the max. load current.

| | 8WH6 000-0CF07 | 8WH6 003-0CF07 | 8WH6 004-0CF07 |
|---|---|---|---|
| Dimensions | | | |
| • Width / Length / Height (NS 35/7.5) in mm | 5.2 / 48.5 / 36.5 | 5.2 / 60.5 / 36.5 | 5.2 / 72 / 36.5 |
| Max. electrical data | | | |
| • Max. Ø in mm$^2$ | 0.14 ... 4 | | |
| • AWG | 26-12 | | |
| Rating acc. to IEC 60947-7-1 | | | |
| • Nominal cross-section in mm$^2$ | 2.5 | | |
| • AWG cross-sectional range (IEC / UL/CSA) | 26-12 / 24-12 | | 26-12 / -- |
| Connection capacities | | | |
| • 1-wire | | | |
| - Rigid in mm$^2$ | 0.14 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm$^2$ | 0.14 ... 2.5 | | |
| • 2 conductors, flexible, with TWIN end sleeve in mm$^2$ | 0.5 | | |
| • Conductor cross-section, direct plug-in | | | |
| - Rigid in mm$^2$ | 0.34 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm$^2$ | 0.34 ... 2.5 | | |
| General data | | | |
| • Stripped length in mm | 10 | | |
| • Molded plastic | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | |
|  8WH6 000-0AF00 | **Through-type terminals, terminal size 2.5 mm²**<br>• c UL us<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 30 A<br>• $U_{max}$ = 800 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm² | | | | | | | |
| | Versions | | | | | | | |
| | • Two clamping points | | | | | | | |
| | - Gray | | C | **8WH6 000-0AF00** | | 1 | 50 | 044 |
| | - Blue | | C | **8WH6 000-0AF01** | | 1 | 50 | 044 |
| | • Three clamping points | | | | | | | |
| | - Gray | | C | **8WH6 003-0AF00** | | 1 | 50 | 044 |
| | - Blue | | C | **8WH6 003-0AF01** | | 1 | 50 | 044 |
| | • Four clamping points | | | | | | | |
| | - Gray | | C | **8WH6 004-0AF00** | | 1 | 50 | 044 |
| | - Blue | | C | **8WH6 004-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | |
| | • *Covers, for terminal size 1.5 ... 2.5 mm²* | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/6 | C | **8WH9 000-1GA00** | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/6 | C | **8WH9 000-2GA00** | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/6 | C | **8WH9 000-4GA00** | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 1.5 ... 2.5 mm²* | *dto.* | 12/6 | A | **8WH9 000-0GA00** | 100 | 10 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/6 | C | **8WH9 070-0AA00** | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/6 | C | **8WH9 070-0GA00** | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/6 | C | **8WH9 070-0HA00** | 100 | 50 | 044 |
|  8WH6 000-0CF07 | **Through-type PE terminals, terminal size 2.5 mm²**<br>• c UL us<br>• Terminal width 5.2 mm<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm²<br>• Green-yellow | | | | | | | |
| | Versions | | | | | | | |
| | • Two clamping points | | C | **8WH6 000-0CF07** | | 1 | 50 | 044 |
| | • Three clamping points | | C | **8WH6 003-0CF07** | | 1 | 50 | 044 |
| | • Four clamping points | | C | **8WH6 004-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | |
| | • *Covers, for terminal size 1.5 ... 2.5 mm²* | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/6 | C | **8WH9 000-1GA00** | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/6 | C | **8WH9 000-2GA00** | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/6 | C | **8WH9 000-4GA00** | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 1.5 ... 2.5 mm²* | *dto.* | 12/6 | A | **8WH9 000-0GA00** | 100 | 10 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/6 | C | **8WH9 070-0AA00** | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/6 | C | **8WH9 070-0GA00** | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/6 | C | **8WH9 070-0HA00** | 100 | 50 | 044 |

12

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



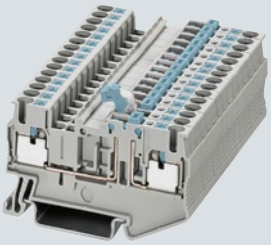
## 8WH6 through-type terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
| | **Covers, for terminal size 1.5 ... 2.5 mm²**<br>Width 2.2 mm | | | | | | |
| | Versions | | | | | | |
| | • For two clamping points | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| | • For three clamping points | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| | • For four clamping points | C | **8WH9 000-4GA00** | | 100 | 50 | 044 |
|  8WH9 000-0GA00 | **Cover segments, for terminal size 1.5 ... 2.5 mm²**<br>For covering multi-wire terminals when mounting two-wire terminals side-by-side | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
|  8WH9 070-0AA00 | **Compartment partitions, for terminal size 1.5 ... 2.5 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | | | | | | |
| | Versions | | | | | | |
| | • For two clamping points | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • For three clamping points | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • For four clamping points | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |

## 8WH6 isolating blade terminals

### Overview





Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control. Key features of the 8WH6 isolating blade terminals are the slim design of only 5.2 mm and their high current carrying capacity. The integrated, double function slot located on the one side of the isolating point and the integrated test contact on the other enable convenient testing. Standard connecting combs allow easy execution of all potential-distribution tasks. Three and four-wire terminals are available for the multi-conductor connection.



* You can order this quantity or a multiple thereof.

© Siemens AG 2010

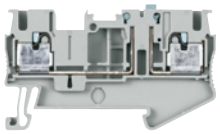
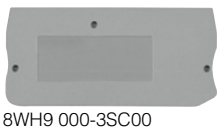


## Technical specifications

| | 8WH6 000-6AF00 | 8WH6 003-6AF00 | 8WH6 004-6AF00 |
|---|---|---|---|
| Dimensions | | | |
| • Width / Length / Height (NS 35/7.5) in mm | 5.2 / 60.5 / 36.5 | 5.2 / 74 / 36.5 | 5.2 / 84 / 36.5 |
| Max. electrical data | | | |
| • $I_{max}$ in A | 20 | 20[1)] | |
| • $U_{max}$ in V | 400 | | |
| • Max. Ø in mm² | 0.14 ... 4 | | |
| • AWG | 26-12 | | |
| Rating acc. to IEC 60947-7-1 | | | |
| • Rated voltage (V) (IEC) | 400 | | 800 / -- |
| • Rated current in A / cross-section in mm² (IEC) | 20 / 2.5 | 20[1)] / 2.5 | |
| • Nominal cross-section in mm² | 2.5 | | |
| • AWG cross-section range (IEC) | 26-12 | | |
| Connection capacities | | | |
| • 1-wire | | | |
| - Rigid in mm² | 0.14 ... 4 | | |
| - Flexible in mm² | 0.14 ... 2.5 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.14 ... 2.5 | | |
| • 2 conductors, flexible, with TWIN end sleeve in mm² | 0.5 | | |
| • Conductor cross-section, direct plug-in | | | |
| - Rigid in mm² | 0.34 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.34 ... 2.5 | | |
| General data | | | |
| • Stripped length in mm | 10 | | |
| • Molded plastic | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |

[1)] The total current through all connected conductors must not exceed the max. load current.

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH6 000-6AF00 | **Isolating blade terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 20 A<br>• $U_{max}$ = 400 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Two clamping points | | | C | **8WH6 000-6AF00** | | 1 | 50 | 044 |
| | • Three clamping points | | | C | **8WH6 003-6AF00** | | 1 | 50 | 044 |
| | • Four clamping points | | | C | **8WH6 004-6AF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/7 | C | **8WH9 000-3SC00** | | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/7 | C | **8WH9 000-3SD00** | | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/7 | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/7 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/7 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-3SC00 | **Covers, for terminal size 2.5 mm²**<br>Width 2.2 mm | | | | | | | | |
| | Versions | | | | | | | | |
| | • For two clamping points | | | C | **8WH9 000-3SC00** | | 100 | 50 | 044 |
| | • For three clamping points | | | C | **8WH9 000-3SD00** | | 100 | 50 | 044 |
| | • For four clamping points | | | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
|  8WH9 070-0AA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For two clamping points | | | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • For three clamping points | | | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |

12

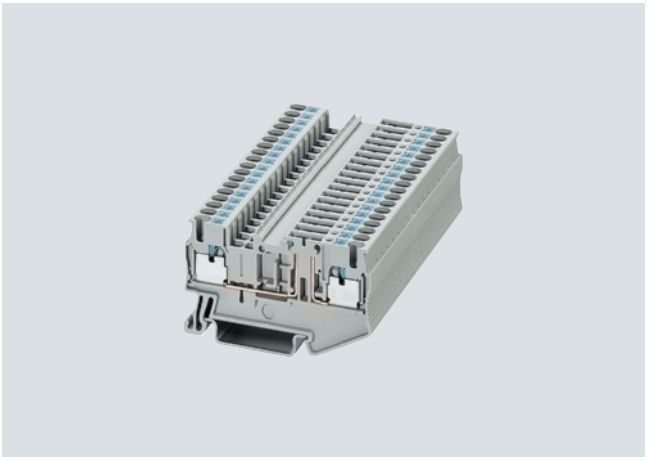
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH6 isolating terminals

### Overview



8WH6 isolating terminals in iPo connection technology are available for special switching tasks. In the same contour as the isolating blade terminals, 8WH6 isolating terminals are equipped with a universal plug-in zone in the middle of the terminal. Numerous switching tasks can be performed on a terminal width of 5.2 mm by integrating the isolated through-type connector, the isolating plug, the component plug or the fused plug.

### Technical specifications

| | 8WH6 000-6CF00 | 8WH6 003-6CF00 | 8WH6 004-6CF00 |
|---|---|---|---|
| Dimensions | | | |
| • Width / Length / Height (NS 35/7.5) in mm | 5.2 / 60.5 / 36.5 | 5.2 / 74 / 36.5 | 5.2 / 84 / 36.5 |
| Max. electrical data | | | |
| • $I_{max}$ in A | 20 | 20[1] | |
| • $U_{max}$ in V | 400[2] | | |
| • Max. Ø in mm² | 0.14 ... 4 | | |
| • AWG | 26-12 | | |
| Rating acc. to IEC 60947-7-1 | | | |
| • Rated voltage (V) (IEC) | 400[2] | | 800 / -- |
| • Rated current in A / cross-section in mm² (IEC) | 20 / 2.5 | 20[1] / 2.5 | |
| • Nominal cross-section in mm² (IEC) | 2.5 | | |
| • AWG cross-section range (IEC) | 26-12 | | |
| Connection capacities | | | |
| • 1-wire | | | |
| - Rigid in mm² | 0.14 ... 4 | | |
| - Flexible in mm² | 0.14 ... 2.5 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.14 ... 2.5 | | |
| • 2 conductors, flexible, with TWIN end sleeve in mm² | 0.5 | | |
| • Conductor cross-section, direct plug-in | | | |
| - Rigid in mm² | 0.34 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.34 ... 2.5 | | |
| General data | | | |
| • Stripped length in mm | 10 | | |
| • Molded plastic | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |

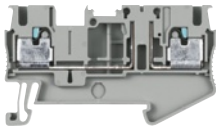
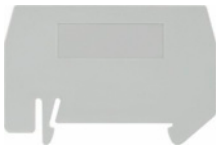
1) The total current through all connected conductors must not exceed the max. load current.

2) Current and voltage are determined by the fitted plug.

© Siemens AG 2010



## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH6 000-6CF00 | **Isolating terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 20 A<br>• $U_{max}$ = 400 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Two clamping points | | | C | **8WH6 000-6CF00** | | 1 | 50 | 044 |
| | • Three clamping points | | | C | **8WH6 003-6CF00** | | 1 | 50 | 044 |
| | • Four clamping points | | | C | **8WH6 004-6CF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/9 | C | **8WH9 000-3SC00** | | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/9 | C | **8WH9 000-3SD00** | | 100 | 50 | 044 |
| | - *For four clamping points* | *dto.* | 12/9 | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | | | | | | | | |
| | - *For two clamping points* | *Accessories* | 12/9 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | - *For three clamping points* | *dto.* | 12/9 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| | • *Plug-in zone connectors* | | | | | | | | |
| | - Isolating plugs | *Accessories* | 12/10 | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| | - Through-type connectors | *dto.* | 12/10 | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| | - Component connectors | *dto.* | 12/10 | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | - Fused connectors, without LED display | *dto.* | 12/10 | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 000-3SC00 | **Covers, for terminal size 2.5 mm²**<br>Width 2.2 mm | | | | | | | | |
| | Versions | | | | | | | | |
| | • For two clamping points | | | C | **8WH9 000-3SC00** | | 100 | 50 | 044 |
| | • For three clamping points | | | C | **8WH9 000-3SD00** | | 100 | 50 | 044 |
| | • For four clamping points | | | C | **8WH9 000-5GA00** | | 100 | 50 | 044 |
|  8WH9 070-0AA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For two clamping points | | | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • For three clamping points | | | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |

12

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH6 isolating terminals


8WH9 040-0DB04


8WH9 020-8AB00


8WH9 040-3DB08

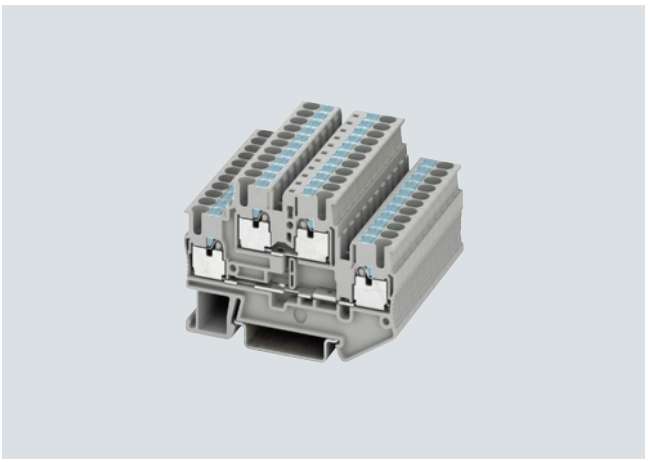

8WH9 040-0BB00

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Plug-in zone connectors** | | | | | | |
| Versions | | | | | | |
| • Isolating plugs<br>- Orange | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| • Through-type connectors<br>- Gray<br>- $I_{max}$: 16 A | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
| • Fused connectors, without LED display<br>- Black<br>- $I_{max}$: 6.3 A | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| Note<br>- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links. so that the offset of the rated current must also be taken into account. | | | | | | |
| • Component connectors<br>- $I_{max}$: 6 A, depending on the power loss of the components, max. 1 W with single arrangement<br>- Inscription options | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |

12

## 8WH6 two-tier terminals

### Overview



With the two voltage levels routed through two separate tiers, the 8WH6 two-tier terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, connecting combs can be fitted to both tiers of the two-tier terminal series. Facilities for inscription are provided at each clamping point.

Two-tier terminals with equipotential bonding for the upper and lower tiers are also available.

With the same contour as 8WH6 two-tier terminals, 8WH6 PE two-tier terminals round off the product range. Perfect mechanical and electrical contact with the support rail is assured by simply snapping the terminals onto the rail. 8WH6 PE two-tier terminals comply with all the requirements of IEC 60947-7-2. These include in particular:

- Low contact resistance
- Non-corroding clamping points
- Green-yellow enclosure
- Additional inscription options

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

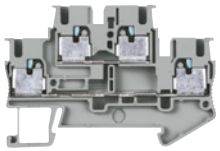
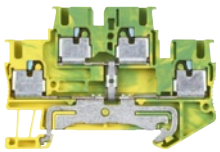


## Technical specifications

| | 8WH6 020-0AF00<br>8WH6 020-0AF01 | 8WH6 025-0AF00 | 8WH6 020-0CF07 |
|---|---|---|---|
| Dimensions | | | |
| • Width / Length / Height (NS 35/7.5) in mm | 5.2 / 68 / 47.5 | 5.2 / 78 / 55 | |
| Max. electrical data | | | |
| • $I_{max}$ in A | 26 | 26[1)] | -- |
| • $U_{max}$ in V | 500 | | -- |
| • Max. Ø in mm² | 0.14 ... 4 | | |
| • AWG | 26-12 | | |
| Rating acc. to IEC 60947-7-1 | | | |
| • Rated voltage (V) (IEC) | 500 | | -- |
| • Rated current in A / cross-section in mm² (IEC) | 20 / 2.5 | 20[1)] / 2.5 | -- / -- |
| • Nominal cross-section in mm² (IEC) | 2.5 | | |
| • AWG cross-section range (IEC) | 26-12 | | |
| Connection capacities | | | |
| • 1-wire | | | |
| - Rigid in mm² | 0.14 ... 4 | | |
| - Flexible in mm² | 0.14 ... 2.5 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.14 ... 2.5 | | |
| • 2 conductors, flexible, with TWIN end sleeve in mm² | 0.5 | | |
| • Conductor cross-section, direct plug-in | | | |
| - Rigid in mm² | 0.34 ... 4 | | |
| - Flexible end sleeve with/without plastic sleeve in mm² | 0.34 ... 2.5 | | |
| General data | | | |
| • Stripped length in mm | 10 | | |
| • Molded plastic | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |

1) The total current through all connected conductors must not exceed the max. load current.

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  <br>8WH6 020-0AF00 | **Two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• $I_{max}$ = 26 A<br>• $U_{max}$ = 500 V<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm² | | | | | | | | |
| | Versions | | | | | | | | |
| | • Without equipotential bonding | | | | | | | | |
| | - Gray | | | C | **8WH6 020-0AF00** | | 1 | 50 | 044 |
| | - Blue | | | C | **8WH6 020-0AF01** | | 1 | 50 | 044 |
| | • With equipotential bonding | | | C | **8WH6 025-0AF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 1.5 ... 2.5 mm²* | *Accessories* | 12/12 | C | **8WH9 000-4SE00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | *dto.* | 12/12 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
|  <br>8WH6 020-0CF07 | **PE two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• AWG 26-12<br>• Connection capacity, one conductor<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>• Connection capacity, two conductors<br>- Rigid, 0.34 ... 4 mm²<br>• Green-yellow | | | C | **8WH6 020-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Covers, for terminal size 1.5 ... 2.5 mm²* | *Accessories* | 12/12 | C | **8WH9 000-4SE00** | | 100 | 50 | 044 |
| | • *Compartment partitions, for terminal size 1.5 ... 4 mm²* | *dto.* | 12/12 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | Note | | | | | | | | |
| | Linking the terminal is only possible on the top level (central). | | | | | | | | |

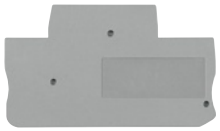
12

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH6 two-tier terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 000-4SE00 | **Covers, for terminal size 1.5 ... 2.5 mm²**<br>• Width 2.2 mm<br>• Gray | C | **8WH9 000-4SE00** | | 100 | 50 | 044 |
|  8WH9 070-0BA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick<br>• Gray | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |

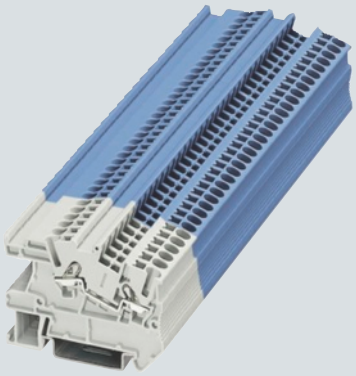
12

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# Plug-In Terminals

13




13/2 **Introduction**

13/4 **8WH through-type terminals**

13/7 **8WH through-type screw terminals**

13/9 **8WH neutral isolating terminals**

13/11 **8WH neutral isolating screw terminals**

13/12 **8WH installation terminals**

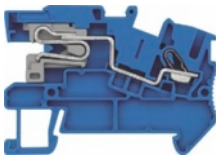
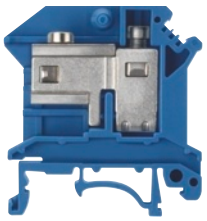
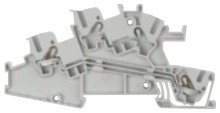
13/16 **Support rails/protective conductor busbars**

© Siemens AG 2010



## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
|  | 8WH through-type terminals | 13/4 | Connection of incoming and outgoing conductors up to 6 $mm^2$ |
|  | 8WH through-type screw terminals | 13/7 | Connection of incoming and outgoing conductors up to 35 $mm^2$ with screw terminals |
|  | 8WH neutral isolating terminals | 13/9 | Terminal blocks up to 6 $mm^2$ and connection of a neutral busbar 10 mm × 3 mm |
|  | 8WH neutral isolating screw terminals | 13/11 | Terminal blocks with screw terminals up to 35 $mm^2$ and connection of a neutral busbar 10 mm × 3 mm |
|  | 8WH installation terminals | 13/13 | Terminal blocks for connection of a neutral busbar 10 mm × 3 mm. These terminals offer up to three terminal functions in a single enclosure and are optimized for distribution board applications in installation technology. |

© Siemens AG 2010



| Conductor cross-section | Terminal type[1] | | Color | Connection type → Plug-in terminals<br>Version → Standard<br>Number of clamping points → 2<br>Order No. (Digits 1 ... 7) → 8WH4 000 | Screw terminals<br>Standard<br>2<br>8WH1 001 | Plug-in terminals<br>Insta<br><br>8WH4 001 | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|---|---|
| 2.5 mm² | Through-type | | Gray | ✔ | -- | -- | 0AF00 |
| | | | Blue | ✔ | -- | -- | 0AF01 |
| | Neutral isolating | | Blue | ✔ | -- | -- | 0BF00 |
| | PU | | Green-yellow | ✔ | -- | -- | 0CF07 |
| | Insta | L | Gray | -- | -- | ✔ | 0AF00 |
| | | L/L | | -- | -- | ✔ | 4DF00 |
| | | L/N | | -- | -- | ✔ | 4CF00 |
| | | PE/L/L | | -- | -- | ✔ | 4HF00 |
| | | PE/L/N | | -- | -- | ✔ | 4EF00 |
| | | PE/L/NT | | -- | -- | ✔ | 4FF00 |
| | | PE/L/N isolating blade | | -- | -- | ✔ | 4GF00 |
| | | PE/L/L isolating blade | | -- | -- | ✔ | 4NF00 |
| 4 mm² | Through-type | | Gray | ✔ | -- | -- | 0AG00 |
| | | | Blue | ✔ | -- | -- | 0AG01 |
| | Neutral isolating | | Gray | ✔ | -- | -- | 0BG00 |
| | PU | | Green-yellow | ✔ | -- | -- | 0CG07 |
| 6 mm² | Through-type | | Gray | ✔ | -- | -- | 0AH00 |
| | | | Blue | ✔ | -- | -- | 0AH01 |
| | Neutral isolating | | Blue | ✔ | -- | -- | 0BH00 |
| | PU | | Green-yellow | ✔ | -- | -- | 0CH07 |
| 10 mm² | Neutral isolating | | Blue | -- | ✔ | -- | 0BJ01 |
| 16 mm² | Through-type | | Blue | -- | ✔ | -- | 0AK01 |
| | | | Gray | -- | ✔ | -- | 0AK00 |
| | Neutral isolating | | Blue | -- | ✔ | -- | 0BK01 |
| | PU | | Green-yellow | -- | ✔ | -- | 0CK07 |
| 35 mm² | Through-type | | Gray | -- | ✔ | -- | 0AM00 |
| | | | Blue | -- | ✔ | -- | 0AM01 |
| | Neutral isolating | | Blue | -- | ✔ | -- | 0BM01 |
| | PU | | Green-yellow | -- | ✔ | -- | 0CM07 |

[1] Only the main terminal types are listed here. You will find further versions on the following pages.

### *Rated short-time withstand current*

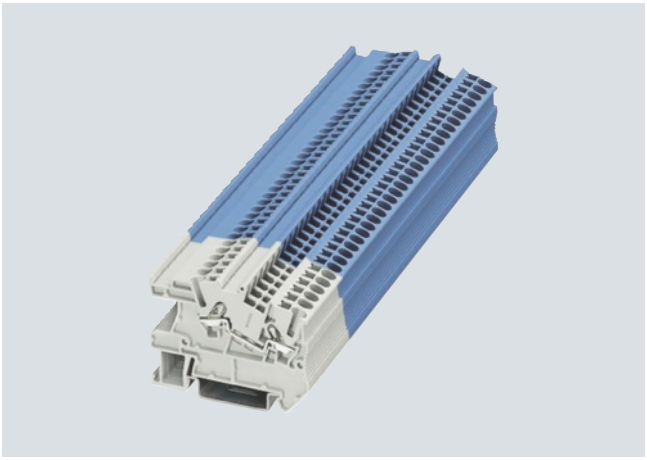
Our plug-in terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

© Siemens AG 2010



## 8WH through-type terminals

### Overview



All types of conductors can be used with the 8WH4 plug-in terminals.

Rigid conductors and crimped flexible conductors are plugged directly into the terminal.

Flexible, untreated conductors can be connected using a screwdriver.

These terminals can be used interconnected with the neutral busbar 10 × 3 mm.

### Technical specifications

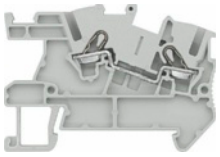
| | 8WH4 000-0AF00<br>8WH4 000-0AF01 | 8WH4 000-0CF07 | 8WH4 000-0AG00<br>8WH4 000-0AG01 | 8WH4 000-0CG07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>5.2 / 59.5 / 2.2<br>43 / 50.5 | <br>5.2 / 59.5 / 2.2<br>43 / 50.5 | <br>6.2 / 66 / 2.2<br>43 / 50.5 | <br>6.2 / 66 / 2.2<br>43 / 50.5 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in $mm^2$ | <br>24 / 4 | <br>-- / 4 | <br>32 / 6 | <br>-- / 6 |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in $mm^2$<br>• Flexible with end sleeve without plastic sleeve in $mm^2$ | <br>0.25 ... 2.5<br>0.25 ... 2.5 | <br>0.25 ... 2.5<br>0.25 ... 2.5 | <br>0.25 ... 2.5<br>0.25 ... 2.5 | <br>0.25 ... 2.5<br>0.25 ... 2.5 |
| Stripped length in mm | 10 | 10 | 10 | 10 |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | PA<br>V0 | PA<br>V0 | PA<br>V0 |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support rails* |

| | 8WH4 000-0AH00<br>8WH4 000-0AH01 | 8WH4 000-0CH07 |
|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>8.2 / 66 / 2.2<br>50 / 57.5 | <br>8.2 / 66 / 2.2<br>50 / 57.5 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in $mm^2$ | <br>41 / 10<br>51 at 10 $mm^2$ conductor cross-section | <br>-- / 10<br>51 at 10 $mm^2$ conductor cross-section |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in $mm^2$<br>• Flexible with end sleeve without plastic sleeve in $mm^2$ | <br>0.5 ... 6<br>0.5 ... 8 | <br>0.5 ... 6<br>0.5 ... 6 |
| Stripped length in mm | 12 | 12 |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | PA<br>V0 |
| Support rails/protective conductor busbars | -- | See section *Support rails* |

© Siemens AG 2010



## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | |
|  8WH4 000-0AF00 | **Through-type terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• Terminal length 59.5 mm<br>• Terminal height 43 mm<br>• Maximum load current 30 A<br>• Cross-section max. 4 mm²<br>• Rated voltage 800 V<br>• Rigid 0.2 to 4 mm²<br>• Flexible without end sleeve 0.2 to 4 mm²<br>• Flexible with end sleeve 0.2 to 2.5 mm²<br>• AWG 24-12 | | | | | | | |
| | Versions | | | | | | | |
| | • Gray | | A | **8WH4 000-0AF00** | | 1 | 50 | 044 |
| | • Blue | | A | **8WH4 000-0AF01** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 to 4 mm²* | *Accessories* 13/6 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm²* | *Accessories* 13/6 | C | **8WH9 000-1WA00** | | 100 | 50 | 044 |
|  8WH4 000-0CF07 | **Through-type PE terminals, terminal size 2.5 mm²**<br>• Green-yellow<br>• Terminal width 5.2 mm<br>• Terminal length 59.5 mm<br>• Terminal height 43 mm<br>• Cross-section max. 4 mm²<br>• Rigid 0.2 ... 4 mm²<br>• Flexible without end sleeve 0.2 ... 4 mm²<br>• Flexible with end sleeve 0.2 ... 2.5 mm²<br>• AWG 24-12 | | A | **8WH4 000-0CF07** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 ... 4 mm²* | *Accessories* 13/6 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm²* | *Accessories* 13/6 | C | **8WH9 000-1WA00** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | | |
|  8WH4 000-0AG00 | **Through-type terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• Terminal length 66 mm<br>• Terminal height 43 mm<br>• Maximum load current 41 A<br>• Cross-section max. 6 mm²<br>• Rated voltage 800 V<br>• Rigid 0.2 ... 6 mm²<br>• Flexible without end sleeve 0.2 ... 6 mm²<br>• Flexible with end sleeve 0.2 ... 6 mm²<br>• AWG 24-10 | | | | | | | |
| | Versions | | | | | | | |
| | • Gray | | A | **8WH4 000-0AG00** | | 1 | 50 | 044 |
| | • Blue | | A | **8WH4 000-0AG01** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 ... 4 mm²* | *Accessories* 13/6 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 4 mm²* | *Accessories* 13/6 | C | **8WH9 003-7WA00** | | 100 | 50 | 044 |
|  8WH4 000-0CG07 | **Through-type PE terminals, terminal size 4 mm²**<br>• Green-yellow<br>• Terminal width 6.2 mm<br>• Terminal length 66 mm<br>• Terminal height 43 mm<br>• Cross-section max. 6 mm²<br>• Rigid 0.2 ... 6 mm²<br>• Flexible without end sleeve 0.2 ... 6 mm²<br>• Flexible with end sleeve 0.2 ... 6 mm²<br>• AWG 24-10 | | A | **8WH4 000-0CG07** | | 1 | 50 | 044 |
| | Accessories | Section / Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 ... 4 mm²* | *Accessories* 13/6 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 4 mm²* | *Accessories* 13/6 | C | **8WH9 003-7WA00** | | 100 | 50 | 044 |

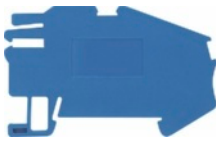
13

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WH4 000-0AH00 | **Through-type terminals, terminal size 6 mm²**<br>• Terminal width 8.2 mm<br>• Terminal length 66 mm<br>• Terminal height 50 mm<br>• Maximum load current 51 A<br>• Cross-section max. 10 mm²<br>• Rated voltage 800 V<br>• Rigid 0.5 ... 10 mm²<br>• Flexible without end sleeve 0.5 ... 6 mm²<br>• Flexible with end sleeve 0.5 ... 6 mm²<br>• AWG 20-8 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | A | **8WH4 000-0AH00** | | 1 | 50 | 044 |
| | • Blue | | | A | **8WH4 000-0AH01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets, for terminal size 6 mm²* | *Accessories* | 13/6 | C | **8WH9 141-0AH01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 6 mm²* | *Accessories* | 13/6 | A | **8WH9 004-1WA00** | | 100 | 50 | 044 |
|  8WH4 000-0CH07 | **Through-type PE terminals, terminal size 6 mm²**<br>• Green-yellow<br>• Terminal width 8.2 mm<br>• Terminal length 66 mm<br>• Terminal height 50 mm<br>• Cross-section max. 6 mm²<br>• Rigid 0.5 ... 10 mm²<br>• Flexible without end sleeve 0.5 ... 6 mm²<br>• Flexible with end sleeve 0.5 ... 6 mm²<br>• AWG 20-8 | | | A | **8WH4 000-0CH07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets, for terminal size 6 mm²* | *Accessories* | 13/6 | C | **8WH9 141-0AH01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 6 mm²* | *Accessories* | 13/6 | A | **8WH9 004-1WA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 140-0AF01 | **Support brackets**<br>• Made of blue molded plastic<br>• For holding the neutral busbar | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 ... 4 mm² | | | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • For terminal size 6 mm² | | | C | **8WH9 141-0AH01** | | 1 | 50 | 044 |
|  8WH9 000-1WA00 | **Covers**<br>Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² | | | C | **8WH9 000-1WA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | | | C | **8WH9 003-7WA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² | | | A | **8WH9 004-1WA00** | | 100 | 50 | 044 |

13

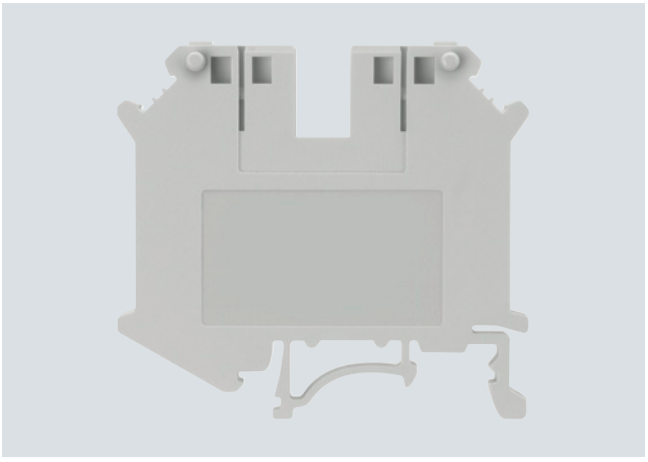


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



We offer a comprehensive range of plug-in installation terminals for use in building management systems. We also offer a range of compact, cost-effective terminal blocks with screw terminals for connecting larger cross-sections.

Terminal blocks mounted on neutral busbars are most commonly used in building management systems. In order to enable the butt-mounting of different terminals, contact to the neutral busbars is always on the same mounting level. This means that 8WH1 screw terminals and 8WH4 plug-in terminals can be combined as required and mounted on a single support rail.

## Technical specifications

| | 8WH1 001-0AK00<br>8WH1 001-0AK01 | 8WH1 001-0AM00<br>8WH1 001-0AM01 | 8WH1 001-0CK07 | 8WH1 001-0CM07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 12.2 / 42.5 / 1.8 | 15.2 / 55 / -- | 12.2 / 42.5 / -- | 15.2 / 55 / -- |
| • Height (TS 35/7.5 / TS 35/15) in mm | 47 / 54.5 / 52 | 51 / 58.5 / 56 | 47 / 54.5 / 52 | 51 / 58.5 / 56 |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | 101 / 25 | 125 / 35 | 101 / 25 | 125 / 35 |
| • Maximum cross-section with comb in mm² (rigid/flexible) | 16 / 16 | 35 / 35 | -- | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | 8 / 3 | 6 / 3 | 8 / 3 |
| • Overvoltage category / insulating group | III / I | III / I | III / I | III / I |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 1.5 ... 16 | 0.75 ... 35 | 1.5 ... 16 | 0.75 ... 35 |
| • Flexible with end sleeve without plastic sleeve in mm² | 1.5 ... 16 | 0.75 ... 35 | 1.5 ... 16 | 0.75 ... 35 |
| Multi-conductor connection (two conductors of same cross-section) | | | | |
| • Rigid/flexible in mm² | 1.5 ... 6 / 1.5 ... 6 | 0.75 ... 15 / 0.75 ... 10 | 1.5 ... 6 / 1.5 ... 4 | 0.75 ... 16 / 0.75 ... 10 |
| • Flexible with end sleeve without plastic sleeve in mm² | 1.5 ... 4 | 0.75 ... 10 | 1.5 ... 6 | 0.75 ... 10 |
| Stripped length in mm | 11 | 16 | 11 | 16 |
| Plug gage (IEC 60947-1) | B7 | B9 | B7 | B9 |
| Clamping point: screw thread / tightening torque in Nm | M4 / 1.5 ... 1.8 | M6 / 3.2... 3.7 | M4 / 1.5 ... 1.8 | M5 / 3.2... 3.7 |
| Fixing: screw thread / tightening torque in Nm | -- | -- | M4 / 1.5 ... 1.8 | M5 / 2.5... 3 |
| Insulation type | PA | PA | PA | PA |
| • Flammability class acc. to UL 94 | V2 | V2 | V2 | V2 |
| Approval data (UL/CUL and CSA) | | | | |
| • UL/CUL | | | | |
| - Rated voltage in V / rated current in A / cable sizes AWG | 600 / 85 / 22-4 | 600 / 115 / 18-2 | -- / -- / 22-4 | -- / -- / 18-2 |
| • CSA | | | | |
| - Rated voltage in V / rated current in A / cable sizes AWG | 600 / 85 / 22-4 | 600 / 130 / 18-2 | -- / -- / 22-4 | -- / -- / -- |

## Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 16 mm²** | | | | | | | | |
| **Through-type screw terminals, terminal size 16 mm²**<br>Width 10 mm | | | | | | | | |
| Versions | | | | | | | | |
| • Gray | | | C | **8WH1 001-0AK00** | | 1 | 50 | 044 |
| • Blue | | | C | **8WH1 001-0AK01** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| *Covers, for screw terminals* | *Accessories* | 13/8 | C | **8WH9 005-3PA00** | | 100 | 50 | 044 |



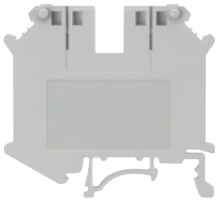
8WH1 001-0AK00

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type screw terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH1 001-0CK07 | **Through-type PE screw terminals, terminal size 16 mm²**<br>• Width 10 mm<br>• Enclosed at both ends<br>• Green-yellow | C | **8WH1 001-0CK07** | | 1 | 50 | 044 |
| **Terminal size 35 mm²** | | | | | | | |
|  8WH1 001-0AM00 | **Through-type screw terminals, terminal size 35 mm²**<br>• Width 12 mm<br>• Enclosed at both ends | | | | | | |
| | Versions | | | | | | |
| | • Gray | C | **8WH1 001-0AM00** | | 1 | 50 | 044 |
| | • Blue | C | **8WH1 001-0AM01** | | 1 | 50 | 044 |
|  8WH1 001-0CM07 | **Through-type PE screw terminals, terminal size 35 mm²**<br>• Width 12 mm<br>• Enclosed at both ends<br>• Green-yellow | C | **8WH1 001-0CM07** | | 1 | 50 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 005-3PA00 | **Covers, for screw terminals**<br>• 10/16 mm²<br>• Width 2 mm<br>• Gray | C | **8WH9 005-3PA00** | | 100 | 50 | 044 |
|  8WH9 030-6AL00 | **Bridges, 10-pole**<br>For through-type terminals, 16 mm², gray and blue | A | **8WH9 030-6AL00** | | 1 | 10 | 044 |
|  8WH9 030-6BC00 | **Bridges, 2-pole**<br>For through-type terminals, 35 mm², gray and blue | A | **8WH9 030-6BC00** | | 1 | 10 | 044 |
|  8WH9 030-6BD00 | **Bridges, 3-pole**<br>For through-type terminals, 35 mm², gray and blue | A | **8WH9 030-6BD00** | | 1 | 10 | 044 |
|  8WH9 070-6HA00 | **Compartment partitions**<br>For through-type terminals, 16 mm², gray and blue | A | **8WH9 070-6HA00** | | 100 | 50 | 044 |
|  8WH9 070-6GA00 | **Insulation plates**<br>For through-type terminals, 16 and 35 mm², gray and blue | A | **8WH9 070-6GA00** | | 100 | 50 | 044 |

13

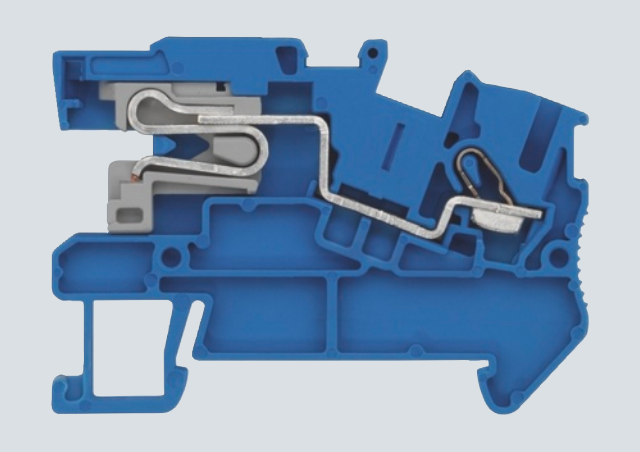


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



The neutral isolating valves are in the same position on all terminals using 8WH4 plug-in technology.

A 10 mm x 3 mm busbar is used.

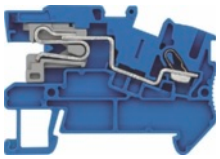
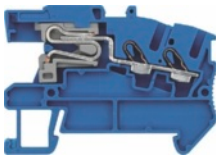
Caution: Only use Cu busbars.

Installation instructions: to ensure that the neutral busbars are securely mounted, the support brackets must be placed at the beginning and end of each terminal strip (in the case of longer terminal strips: every 20 cm).

## Technical specifications

| | 8WH4 000-0BF00<br>8WH4 003-0BF00 | 8WH4 000-0BG00<br>8WH4 003-0BG00 | 8WH4 000-0BH00 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 5.2 / 59.5 / 2.2 | 6.2 / 66 / 2.2 | 8.2 / 66 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 43 / 50.5 | 43 / 50.5 | 50 / 57.5 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 24 / 4 | 32 / 6 | 41 / 10<br>51 at 100 mm² conductor cross-section |
| Connection capacities | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 | 0.5 ... 6 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | 0.25 ... 4 | 0.5 ... 6 |
| Stripped length in mm | 10 | 10 | 12 |
| Insulation type | PA | PA | PA |
| • Flammability class acc. to UL 94 | V0 | V0 | V0 |

## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  <br>8WH4 000-0BF00 | **Neutral isolating terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• Terminal length 59.5 mm<br>• Terminal height 43 mm<br>• Maximum load current 30 A<br>• Cross-section max. 4 mm²<br>• Rated voltage 400 V<br>• Rigid 0.2 ... 4 mm²<br>• Flexible without end sleeve 0.2 ... 4 mm²<br>• Flexible with end sleeve 0.2 ... 2.5 mm²<br>• AWG 24-12 | | | | | | | | |
|  <br>8WH4 003-0BF00 | Versions | | | | | | | | |
| | • Two clamping points | | | A | **8WH4 000-0BF00** | | 1 | 50 | 044 |
| | • Three clamping points | | | A | **8WH4 003-0BF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 13/10 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm²* | *Accessories* | 13/10 | C | **8WH9 000-1WA00** | | 100 | 50 | 044 |

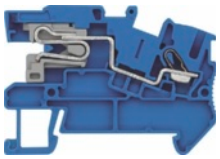
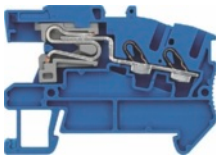
13

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH neutral isolating terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH4 000-0BG00 | **Neutral isolating terminals, terminal size 4 mm²**<br>• Terminal width 6.2 mm<br>• Terminal length 66 mm<br>• Terminal height 43 mm<br>• Maximum load current 36 A<br>• Cross-section max. 6 mm²<br>• Rated voltage 400 V<br>• Rigid 0.2 ... 6 mm²<br>• Flexible without end sleeve 0.2 ... 6 mm²<br>• Flexible with end sleeve 0.2 ... 6 mm²<br>• AWG 24-10 | | | | | | | | |
|  8WH4 003-0BG00 | Versions | | | | | | | | |
| | • Two clamping points | | | A | **8WH4 000-0BG00** | | 1 | 50 | 044 |
| | • Three clamping points | | | A | **8WH4 003-0BG00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets, for terminal sizes 2.5 ... 4 mm²* | *Accessories* | 13/10 | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 4 mm²* | *Accessories* | 13/10 | C | **8WH9 003-7WA00** | | 100 | 50 | 044 |
| **Terminal size 6 mm²** | | | | | | | | | |
|  8WH4 000-0BH00 | **Neutral isolating terminals, terminal size 6 mm², two clamping points**<br>• Terminal width 8.2 mm<br>• Terminal length 66 mm<br>• Terminal height 50 mm<br>• Maximum load current 51 A<br>• Cross-section max. 10 mm²<br>• Rated voltage 400 V<br>• Rigid 0.5 ... 10 mm²<br>• Flexible without end sleeve 0.5 ... 6 mm²<br>• Flexible with end sleeve 0.5 ... 6 mm²<br>• AWG 20-8 | | | A | **8WH4 000-0BH00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Support brackets, for terminal size 6 mm²* | *Accessories* | 13/10 | C | **8WH9 141-0AH01** | | 1 | 50 | 044 |
| | • *Covers, for terminal size 6 mm²* | *Accessories* | 13/10 | A | **8WH9 004-1WA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 140-0AF01 | **Support brackets**<br>• Made of blue molded plastic<br>• For holding the neutral busbar | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal sizes 2.5 ... 2.5 mm² | | | C | **8WH9 140-0AF01** | | 1 | 50 | 044 |
| | • For terminal size 6 mm² | | | C | **8WH9 141-0AH01** | | 1 | 50 | 044 |
|  8WH9 000-1WA00 | **Covers**<br>Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² | | | C | **8WH9 000-1WA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | | | C | **8WH9 003-7WA00** | | 100 | 50 | 044 |
| | • For terminal size 6 mm² | | | A | **8WH9 004-1WA00** | | 100 | 50 | 044 |
|  8WA2 867/8WA2 868/ 8WA2 870 | **Feeder terminals, for neutral busbars**<br>• 6 × 6 mm and 10 × 3 mm<br>• Bare | | | | | | | | |
| | Versions | | | | | | | | |
| | • Rated uninterrupted current 32 A, for connection of up to 4 mm² | | | C | **8WA2 867** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 76 A, for connection of up to 25 mm² | | | C | **8WA2 868** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 125 A, for connection of up to 35 mm² | | | C | **8WA2 870** | | 1 | 50 | 041 |
|  8WA2 842 | **Neutral busbars 10 mm x 3 mm**<br>• Tin-plated<br>• 1000 mm long | | | A | **8WA2 842** | | 1 | 1 | 041 |
|  8WH9 010-0JB00 | **Test adapters**<br>• For 4 mm ∅ PS test plugs and 4 mm ∅ safety test plugs<br>• Makes contact in the bridge slot | | | C | **8WH9 010-0JB00** | | 1 | 10 | 044 |

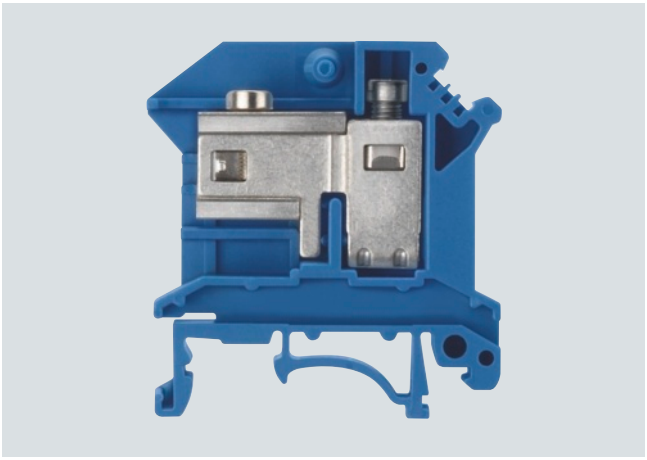
13

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



We offer a comprehensive range of plug-in installation terminals for use in building management systems. We also offer a range of compact, cost-effective terminal blocks with screw terminals for connecting larger cross-sections.

Terminal blocks mounted on neutral busbars are most commonly used in building management systems. In order to enable the butt-mounting of different terminals, contact to the neutral busbars is always on the same mounting level. This means that 8WH1 screw terminals and 8WH4 plug-in terminals can be combined as required and mounted on a single support rail.

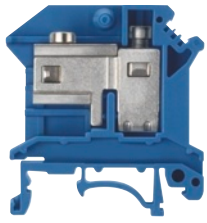
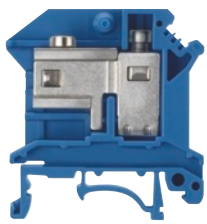
The compact design of our neutral isolating terminals makes for a neat and clearly arranged terminal strip. The neutral busbar can be connected over the terminal or over the contact separator of the neutral isolating terminal. The neutral isolating terminal also makes it easy to perform insulation measurements.

Caution: Only use Cu busbars.

## Technical specifications

| | 8WH1 001-0BJ01 | 8WH1 001-0BK01 | 8WH1 001-0BM01 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 10.2 / 43.5 / 1.8 | 12.2 / 43.5 / 1.5 | 16 / 55 / -- |
| • Height (TS 35/7.5 / TS 35/15) in mm | 47 / 54.5 / 52 | 54 / 61.5 / 59 | 51 / 58.5/ 56 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 63 / 16 | 90 / 25 | 110 / 35 |
| • Maximum cross-section with comb in mm² (rigid/flexible) | 140 | 140 | 140 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | 6 / 3 | 6 / 3 |
| • Overvoltage category / insulating group | III / I | III / I | III / I |
| Connection capacities | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.5 ... 6 | 1.5 ... 16 | 0.75 ... 35 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.5 ... 10 | 1.5 ... 16 | 0.75 ... 35 |
| Multi-conductor connection (two conductors of same cross-section) | | | |
| • Rigid/flexible in mm² | 0.5 ... 4 / 0.5 ... 4 | 1.5 ... 6 / 1.5 ... 4 | 0.75 ... 16 / 0.75 ... 10 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.5 ... 2.5 | 1.5 ... 8 | 0.75 ... 10 |
| Stripped length in mm | 12 | 11 | 16 |
| Plug gage (IEC 60947-1) | B5 | B6 | B9 |
| Clamping point: screw thread / tightening torque in Nm | M4 / 1.5 ... 1.8 | M4 / 1.5 ... 1.8 | M6 / 3.2... 3.7 |
| Fixing: screw thread / tightening torque in Nm | M3 / 0.6 ... 0.8 | M3 / 0.6 ... 0.8 | M5 / 2.5... 3 |
| Insulation type | PA | PA | PA |
| • Flammability class acc. to UL 94 | V2 | V2 | V2 |

## Selection and ordering data

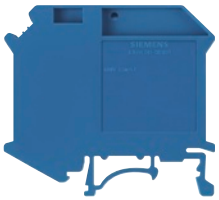
| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 10 mm²** | | | | | | | | | |
|  8WH1 001-0BJ01 | **Neutral isolating screw terminals, terminal size 10 mm²**<br>• Width 10 mm<br>• Blue | | | C | **8WH1 001-0BJ01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for screw terminals* | *Accessories* | 13/12 | C | **8WH9 005-3PA00** | | 100 | 50 | 044 |
| **Terminal size 16 mm²** | | | | | | | | | |
|  8WH1 001-0BK01 | **Neutral isolating screw terminals, terminal size 16 mm²**<br>• Width 12 mm<br>• Blue | | | C | **8WH1 001-0BK01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for screw terminals* | *Accessories* | 13/12 | C | **8WH9 005-3PA00** | | 100 | 50 | 044 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



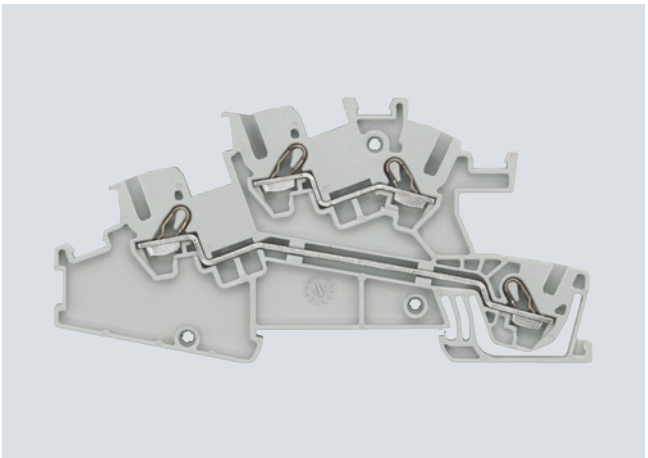
## 8WH neutral isolating screw terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 35 mm²** | | | | | | | |
|  8WH1 001-0BM01 | **Neutral isolating screw terminals, terminal size 35 mm²**<br>• Width 16 mm<br>• Enclosed at both ends<br>• Blue | C | **8WH1 001-0BM01** | | 1 | 50 | 044 |
| **Accessories** | | | | | | | |
|  8WH9 005-3PA00 | **Covers, for screw terminals**<br>• 10/16 mm²<br>• Width 2 mm<br>• Gray | C | **8WH9 005-3PA00** | | 100 | 50 | 044 |
|  8WH9 126-0BA01 | **Terminals**<br>Blue<br>Versions | | | | | | |
| | • To 16 mm², width: 10.3 mm | C | **8WH9 126-0BA01** | | 1 | 50 | 044 |
| | • To 35 mm², width: 14.4 mm, closed at both ends | C | **8WH9 127-0BA01** | | 1 | 50 | 044 |
|  8WA2 842 | **Neutral busbars 10 mm x 3 mm**<br>• Tin-plated<br>• 1000 mm long | A | **8WA2 842** | | 1 | 1 | 041 |

13

## 8WH installation terminals

### Overview



The three-tier plug-in terminals offer optimum operating characteristics for modern building installations. The plug-in connection allows the tool-free wiring of solid conductors.

These terminals can be used interconnected with the neutral busbar 10 × 3 mm.

Caution: Only use Cu busbars.

Thanks to their compact design, the three-tier terminals can be installed in all types of building distribution boards. A load circuit can be wired quickly and easily, for example, with a 5.2 mm narrow installation terminal with terminal size 2.5 mm² and PE/L/NT terminals.

The double bridge slots support a multitude of individual switching tasks. This also means it is practical and convenient to make subsequent modifications to the installation.

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

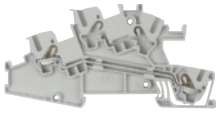


## Technical specifications

| | 8WH4 001-0AF00<br>8WH4 001-4DF00<br>8WH4 001-4CF00 | 8WH4 001-0HF00<br>8WH4 001-0EF00<br>8WH4 001-4GF00<br>8WH4 001-4NF00<br>8WH4 001-4PF00<br>8WH4 001-4MF00 | 8WH4 001-4FF00 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 5.5 / 99.5 / 2.2 | | |
| • Height (TS 35/7.5 / TS 35/15) in mm | 50.5 / 58 | | |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 24 / 4 | | 20 / 4 |
| • Current carrying capacity of the neutral busbar in A | -- | | 140 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | 4 / 3 (potential / frame)<br>6 / 3 (potential / potential) | |
| • Overvoltage category / insulating group | III / I | | |
| Connection capacities | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 | | |
| Stripped length without insulation stop sleeve<br>(no insulation stop sleeves should be used when using end sleeves) | 9 | | |
| Stripped length with insulation stop sleeve<br>(no insulation stop sleeves should be used when using end sleeves) | 14 | | |
| Plug gage (IEC 60947-1) | A3 | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | |

## Selection and ordering data

### Terminal size 2.5 mm²


8WH4 001-0AF00


8WH4 001-4DF00


8WH4 001-4HF00


8WH4 001-4FF00

**Installation terminals, terminal size 2.5 mm², standard version for neutral busbar**
- Gray
- Terminal width 5.2 mm
- IEC 60947-7-1 (for versions L - L/L - L/N)
  - Rigid, 0.25 ... 4 mm²
  - Flexible, 0.25 ... 4 mm²
  - AWG 22-12
  - *I* = 24 A
  - *U* = 400 V, phase conductor/phase conductor
- DIN VDE 0611 (for versions PE/L/L - PE/L/N)
  - Rigid, 0.25 ... 4 mm²
  - Flexible, 0.25 ... 4 mm²
  - AWG 22-12
  - *I* = 24 A
  - *U* = 400 V, phase conductor/phase conductor
  - *U* = 250 V, phase conductor/PE
- DIN VDE 0611 (for versions PE/L/NT)
  - Rigid, 0.25 ... 4 mm²
  - Flexible, 0.25 ... 4 mm²
  - AWG 22-12
  - *I* = 20 A
  - *U* = 400 V, phase conductor/phase conductor
  - *U* = 250 V, phase conductor/PE
  - *U* = 250 V, phase conductor/N

| Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|
| Versions | | | | | | |
| • L | A | **8WH4 001-0AF00** | | 1 | 50 | 044 |
| • L/L | A | **8WH4 001-4DF00** | | 1 | 50 | 044 |
| • L/N | A | **8WH4 001-4CF00** | | 1 | 50 | 044 |
| • PE/L/L | A | **8WH4 001-4HF00** | | 1 | 50 | 044 |
| • PE/L/N | A | **8WH4 001-4EF00** | | 1 | 50 | 044 |
| • PE/L/NT | A | **8WH4 001-4FF00** | | 1 | 50 | 044 |

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Support brackets, for terminal size 2.5 mm²* | *Accessories* | 13/15 | C | **8WH9 141-0AF01** | | 1 | 50 044 |
| • *Covers, for terminal size 2.5 mm²* | *Accessories* | 13/15 | A | **8WH9 000-3WA00** | | 100 | 50 044 |
| • *Neutral busbars 10 mm x 3 mm* | *Accessories* | 13/15 | A | **8WA2 842** | | 1 | 1 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH installation terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH4 001-4GF00 | **Installation terminals, terminal size 2.5 mm², with isolating blade**<br>• Gray<br>• Terminal width 5.2 mm<br>• DIN VDE 0611<br>- Rigid, 0.25 ... 4 mm²<br>- Flexible, 0.25 ... 4 mm²<br>- AWG 22-12<br>- *I* = 24 A<br>- *U* = 400 V, phase conductor/phase conductor<br>- *U* = 250 V, phase conductor/PE<br>- *U* = 250 V, phase conductor/N<br>• Upper tier<br>- Rigid, 0.25 ... 4 mm²<br>- Flexible, 0.25 ... 4 mm²<br>- AWG 22-12<br>- *I* = 16 A<br>- *U* = 400 V, phase conductor/phase conductor<br>- *U* = 250 V, phase conductor/PE<br>- *U* = 250 V, phase conductor/N | | | | | | | | |
| | Versions | | | | | | | | |
| | • PE/L/N isolating blade | | | A | **8WH4 001-4GF00** | | 1 | 50 | 044 |
| | • PE/L/L isolating blade | | | A | **8WH4 001-4NF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and isolating terminal in same contour* | *Accessories* | 13/15 | A | **8WH9 000-6WA00** | | 100 | 50 | 044 |
|  8WH4 001-4PF00 | **Installation terminals, terminal size 2.5 mm², for isolating function**<br>• Gray<br>• Terminal width 5.2 mm<br>• DIN VDE 0611<br>- Rigid, 0.25 ... 4 mm²<br>- Flexible, 0.25 ... 4 mm²<br>- AWG 22-12<br>- *I* = 24 A<br>- *U* = 400 V, phase conductor/phase conductor<br>- *U* = 250 V, phase conductor/PE<br>• Upper tier<br>- Rigid, 0.25 ... 4 mm²<br>- Flexible, 0.25 ... 4 mm²<br>- AWG 22-12<br>- *I* = 16 A<br>- *U* = 400 V, phase conductor/phase conductor<br>- *U* = 250 V, phase conductor/PE | | | | | | | | |
| | Versions | | | | | | | | |
| | • PE/L/L | | | A | **8WH4 001-4PF00** | | 1 | 50 | 044 |
| | • PE/L/L isolation | | | A | **8WH4 001-4MF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm² and isolating terminal in same contour* | *Accessories* | 13/15 | A | **8WH9 000-6WA00** | | 100 | 50 | 044 |

13



*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 141-0AF01 | **Support brackets, for terminal size 2.5 mm²**<br>• For holding the neutral busbar<br>• To be placed every 20 cm<br>• 2 mm wide | C | **8WH9 141-0AF01** | | 1 | 50 | 044 |
|  8WH9 000-3WA00 | **Covers, for terminal size 2.5 mm²**<br>Gray | A | **8WH9 000-3WA00** | | 100 | 50 | 044 |
|  8WH9 000-6WA00 | **Covers, for terminal size 2.5 mm² and isolating terminal in same contour**<br>Gray | A | **8WH9 000-6WA00** | | 100 | 50 | 044 |
|  8WA2 867/8WA2 868/ 8WA2 870 | **Feeder terminals, for neutral busbars**<br>• 6 × 6 mm and 10 × 3 mm<br>• Bare | | | | | | |
| | Versions | | | | | | |
| | • Rated uninterrupted current 32 A, for connection of up to 4 mm² | C | **8WA2 867** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 76 A, for connection of up to 25 mm² | C | **8WA2 868** | | 1 | 50 | 041 |
| | • Rated uninterrupted current 125 A, for connection of up to 35 mm² | C | **8WA2 870** | | 1 | 50 | 041 |
|  8WA2 842 | **Neutral busbars, 10 mm x 3 mm**<br>• Tin-plated<br>• 1000 mm long | A | **8WA2 842** | | 1 | 1 | 041 |
|  8WH9 010-0JB00 | **Test adapters**<br>• For 4 mm ∅ PS test plugs and 4 mm ∅ safety test plugs<br>• Makes contact in the bridge slot | C | **8WH9 010-0JB00** | | 1 | 10 | 044 |

13

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Support rails/protective conductor busbars

### Technical specifications

| Support rail type | | | | | | | Excerpt from IEC 60947-7-2/EN 60947-7-2/ VDE 0611 Part 3 | | |
|---|---|---|---|---|---|---|---|---|---|
| Width | Height | Thick-ness | Perforation type | Material | Surface | Rail profile | Short-circuit strength (Cu conductor) | Short-time withstand current, 1 s | Max. permissi-ble thermal rated current at PEN function |
| mm | mm | mm | | | | | mm² [1] | kA | A |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [1] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | V2A high-grade steel | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 50 | 6.0 | 150 |
| 35 | 7.5 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 35 | 4.2 | 125 |
| 35 | 15 | 2.3 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 15 | 50 | 6.0 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 95 | 11.4 | 232 |
| 35 | 15 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 70 | 8.4 | 192 |

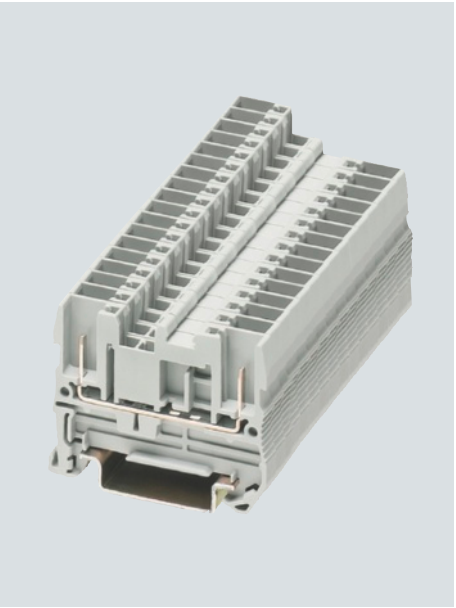
[1] Cross-sections calculated according to IEC 60439-1 / EN 60439-1 / EN 60439-1 / VDE 0660 Part 500.

[2] Steel protective conductor busbars are not permissible for PEN function.

© Siemens AG 2010

# Combination Plug-in Terminals

14




| | |
|---|---|
| 14/2 | **Introduction** |
| 14/6 | **8WH5 through-type terminals**[1)] |
| 14/8 | **8WH5 hybrid through-type terminals**[1)] |
| 14/13 | **8WH5 hybrid two-tier terminals**[1)] |
| 14/15 | **8WH5 hybrid isolating blade terminals** |
| 14/16 | **8WH5 hybrid isolating terminals** |
| 14/19 | **8WH9 plug-in connectors**[1)] |
| 14/21 | **8WH9 plugs**[1)] |
| 14/24 | **Support rails/protective conductor busbars** |

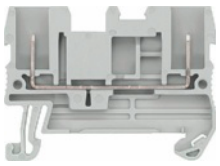
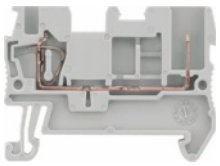
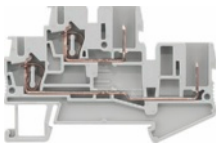
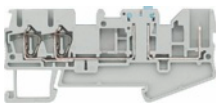
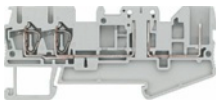

[1)] Also available as a PE version

© Siemens AG 2010



## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
|  | 8WH5 through-type terminals | 14/6 | Terminals for the connection of combination plug-in terminals |
|  | 8WH5 hybrid through-type terminals | 14/8 | Terminals for the connection of combination plug-in terminals on one side and, e.g., spring-loaded terminals on the other side |
|  | 8WH5 hybrid two-tier terminals | 14/13 | Compact form of terminals for the connection of combination plug-in terminals on one side and, e.g., spring-loaded terminals on the other side, two connecting cables can be installed |
|  | 8WH5 hybrid isolating blade terminals | 14/15 | Isolation of the circuit, e.g. for test purposes |
|  | 8WH5 hybrid isolating terminals | 14/16 | Isolation of the circuit, e.g. for test purposes |
|  | 8WH9 plug-in connectors | 14/19 | For connection of combination plug-in terminals |
|  | 8WH9 plugs | 14/21 | For connection of plug-in terminals for fast wiring |

© Siemens AG 2010



| Conductor cross-section | Terminal type[1] | Color | Connection type → Combination plugs<br>Version → Standard<br>Number of clamping points → 2<br>Order No. (Digits 1 ... 7) → 8WH5 000 | Number of clamping points → 4<br>Order No. (Digits 1 ... 7) → 8WH5 004 | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|
| 2.5 mm² | Through-type | Gray | ✔ | ✔ | 0AF00 |
| | | Blue | ✔ | ✔ | 0AF01 |
| | PU | Green-yellow | ✔ | ✔ | 0CF07 |

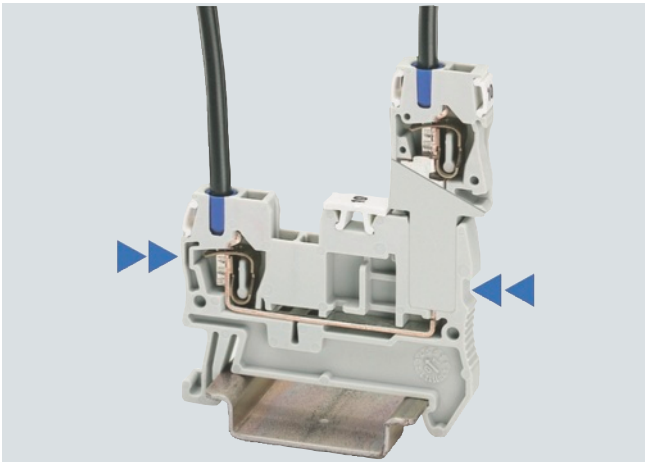
| Conductor cross-section | Terminal type[1] | Color | Connection type → Combination plugs<br>Version → Hybrid<br>Number of clamping points → 2<br>Order No. (Digits 1 ... 7) → 8WH5 100 | Number of clamping points → 3<br>8WH5 103 | Number of clamping points → 4<br>8WH5 104 | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|---|
| 2.5 mm² | Through-type | Gray | ✔ | -- | -- | 2KF00 |
| | | | -- | ✔ | -- | 2LF00 |
| | | | -- | -- | ✔ | 2MF00 |
| | | Blue | ✔ | -- | -- | 2KF01 |
| | | | -- | ✔ | -- | 2LF01 |
| | | | -- | -- | ✔ | 2MF01 |
| | PU | Green-yellow | ✔ | -- | -- | 3KF07 |
| | | | -- | ✔ | -- | 3LF07 |
| | | | -- | -- | ✔ | 3MF07 |

[1] Only the main terminal types are listed here. You will find further versions on the following pages.

### *Rated short-time withstand current*

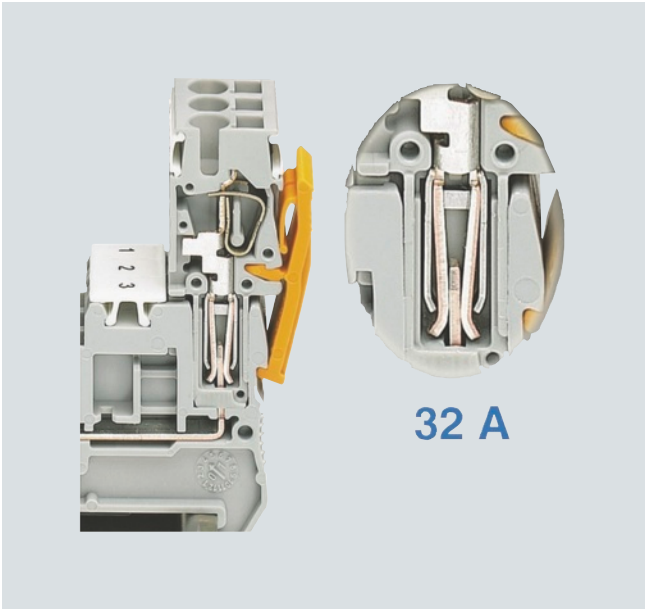
Our combination plug-in terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

### *Space-saving design*



In spite of the space-saving design, the special spring provides a large connection compartment. Flexible conductors with a nominal cross-section of 4 mm² can therefore be easily secured without end sleeve in the base terminal and in the plug connector.

### *High-performance contact*



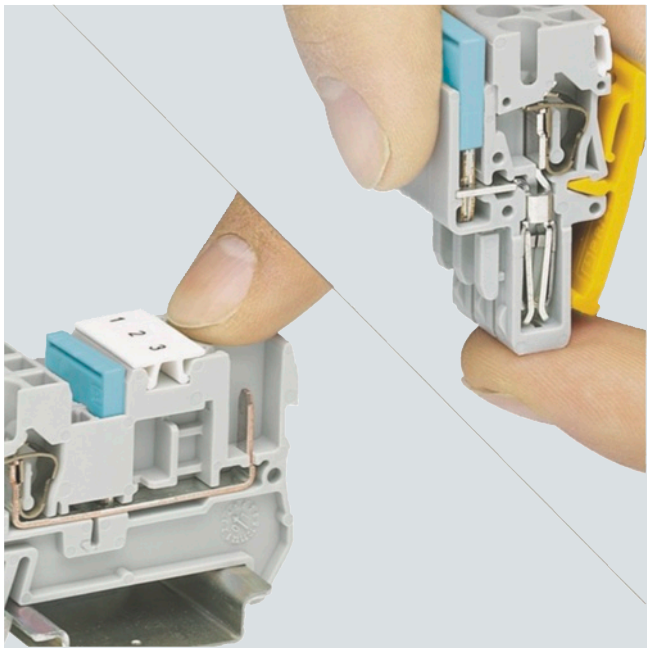

The further refined plug-in system of the combination plug-in terminals allows plug-in connections for a rated current of up to 32 A and a rated voltage of 800 V. The contact system withstands extreme vibration thanks to the integral overspring.

© Siemens AG 2010



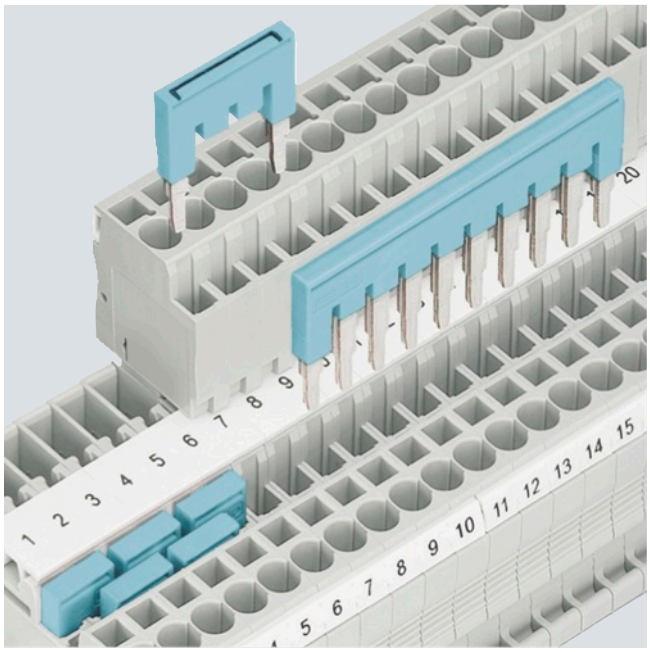
## Introduction

***Fingerproof design***



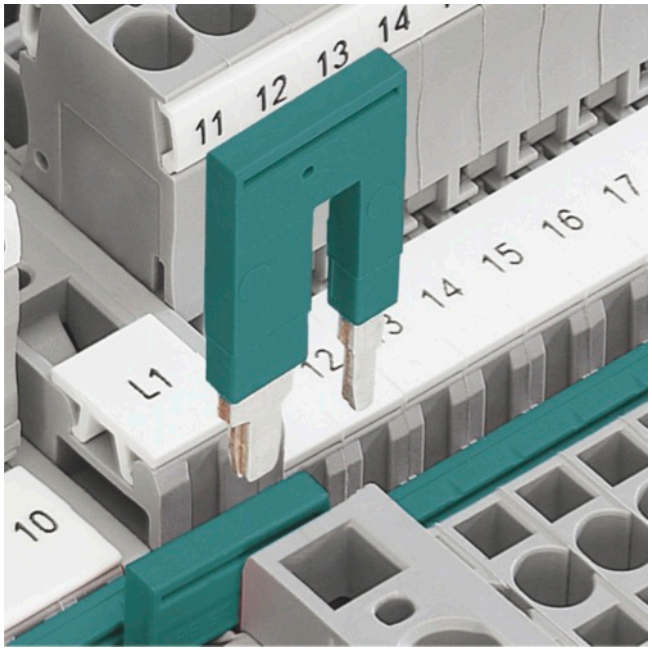
With its fingerproof base terminals and plugs, the combination plug-in terminal system provides maximum user protection. As well as enhancing safety, this provides exceptional flexibility during configuration: the power can be supplied either through the terminals or the plugs.

***Standardized connecting comb system***



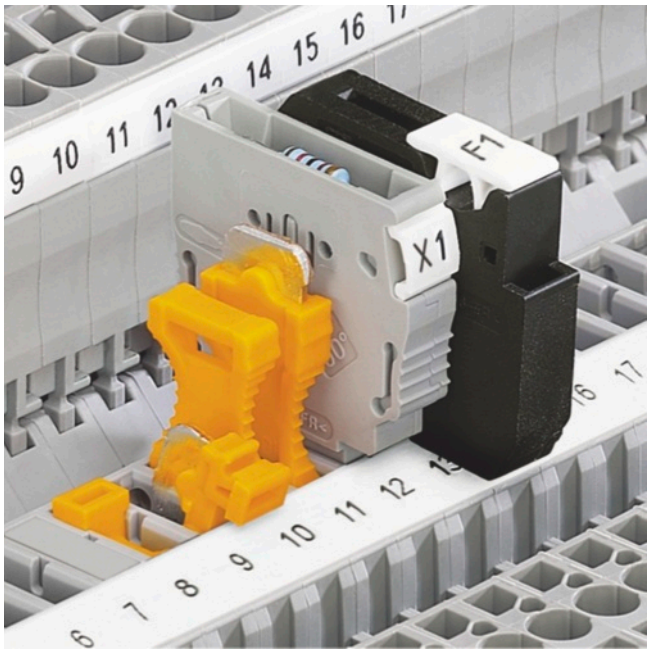

The standardized connecting comb system allows up to 50 terminals to be connected efficiently and quickly with a single jumper. Teeth can be removed to skip individual terminals.

***Time and cost-saving potential distribution***




When feeding in large cross-sections, the reducing comb enables time and cost-saving distribution of the potential. The reducing comb can be used (for example) to connect a 10 mm² through-type terminal with a 2.5 mm² through-type terminal and two clamping points.

***Universal plug-in zone***

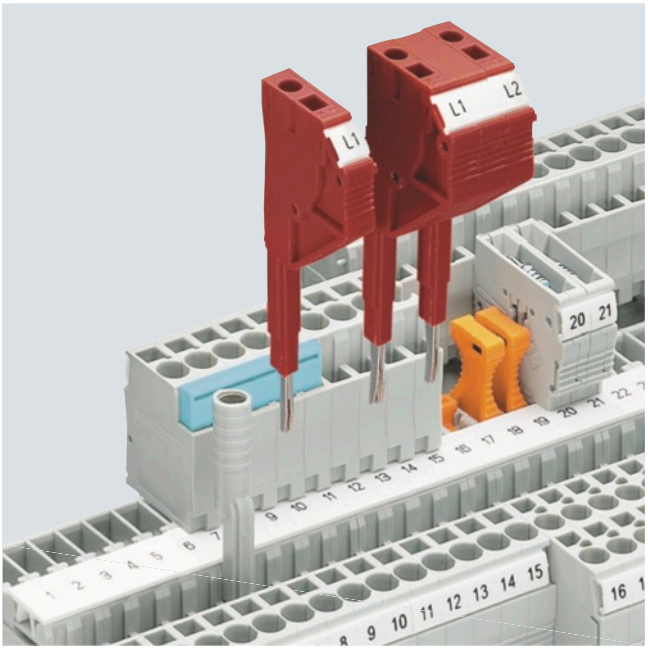



The universal plug-in zone of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.

© Siemens AG 2010

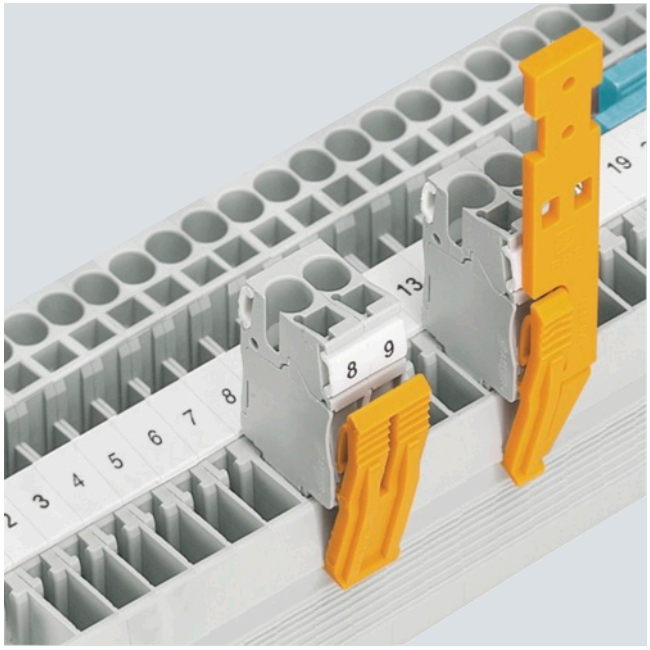


*Assembling test adapters*



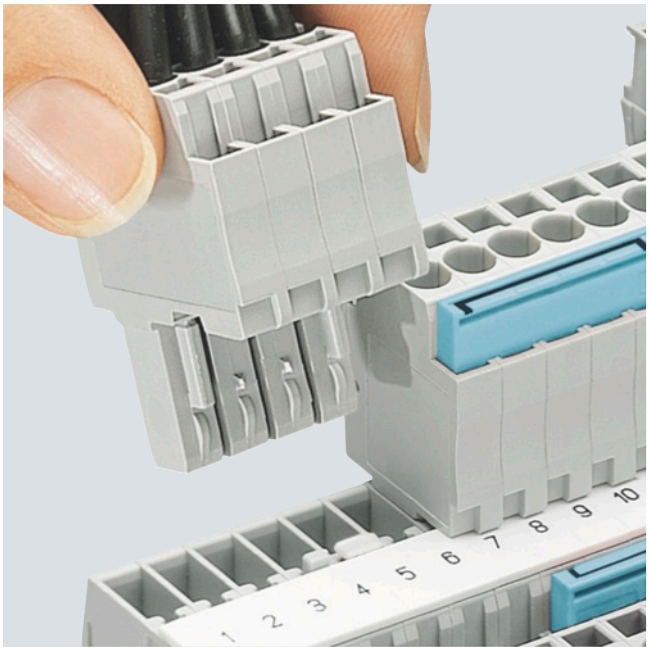

Test adapters are available for Ø 4 mm test and safety test plugs. Test adapters can be individually assembled, thanks to the modular design of the test plugs. Test leads can be connected over a 1.5 $mm^2$ spring-loaded terminal.

*Snap-on strain relief*




Snap-on clamps are available to relieve cable strain at the plugs. Latches are also available to secure the plugs firmly to the base terminals.

*Coding the combination plug-in terminals*



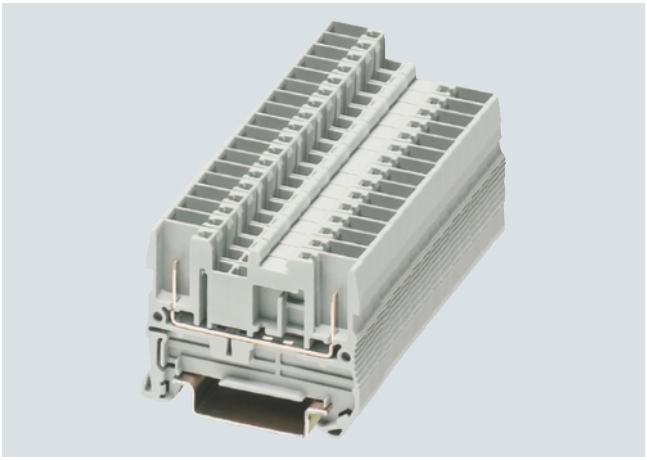

The combination plug-in terminals can be coded with the pin on the plug. The pin is simply removed from the plug, rotated and fitted in the coding position of the base terminal.

© Siemens AG 2010



## 8WH5 through-type terminals

### Overview



Plugs can be connected at both ends of the terminal using the through-type terminals of the combination plug-in terminals. This makes the combination plug-in terminal system even more flexible and allows the terminals to be used as connecting elements between modules.

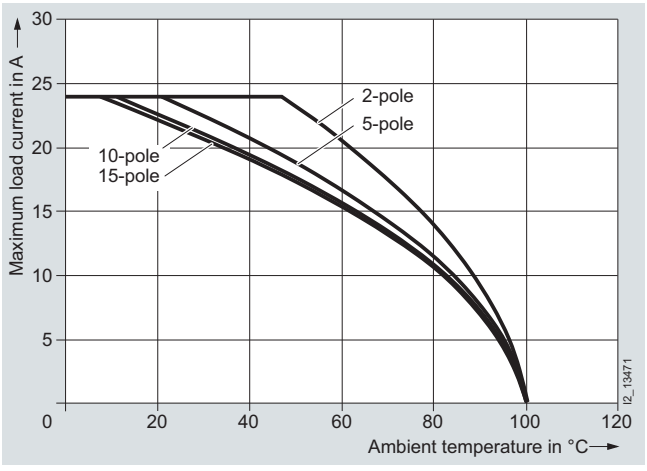
Plugs with a terminal size of 2.5 mm² enable the use of common accessories, such as latches, strain relief and shield connectors.

PE terminals with the same contour are available for the base terminals. These are simply snapped onto the support rail to establish a connection to ground potential.

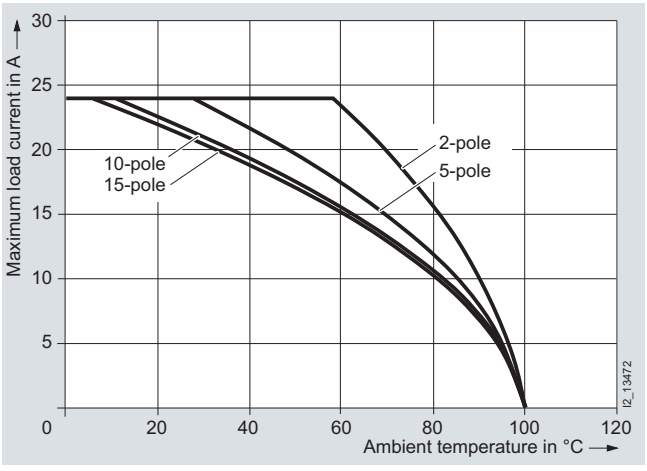
### Technical specifications

| | 8WH5 000-0AF00, 8WH5 000-0AF01 | 8WH5 004-0AF00, 8WH5 004-0AF01 | 8WH5 000-0CF07 | 8WH5 004-0CF07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 5.2 / 48.5 / 2.2 | 5.2 / 89.5 / 2.2 | 5.2 / 48.5 / 2.2 | 5.2 / 89.5 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 36.5 / 44 | 36.5 / 44 | 36.5 / 44 | 36.5 / 44 |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A[1] / cross-section in mm² | 24 / 4 | 24 / 4 | -- | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | 300 / 20 / -- | | -- / -- / -- See section *Plugs* | -- / -- / -- |
| - CSA: in V/A / AWG | -- | | | |
| Support rails/protective conductor busbars | -- | | See section *Support rails* | |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.




Derating curve for 8WH5 000-0AF00



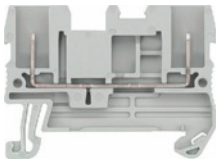

Derating curve for 8WH5 004-0AF00

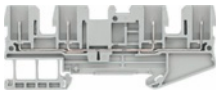
© Siemens AG 2010



## Selection and ordering data

### Terminal size 2.5 mm²


8WH5 000-0AF00


8WH5 004-0AF00

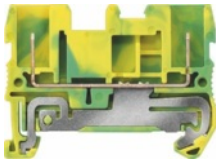
**Through-type terminals, terminal size 2.5 mm²**
- Terminal width 5.2 mm
- cULus
- IEC 61984
  - *I* = 24 A
  - *U* = 500 V

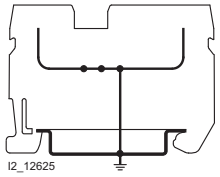
| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Versions** | | | | | | |
| • Gray | | | | | | |
| - Two clamping points | C | **8WH5 000-0AF00** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH5 004-0AF00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Two clamping points | C | **8WH5 000-0AF01** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH5 004-0AF01** | | 1 | 50 | 044 |

**Note**

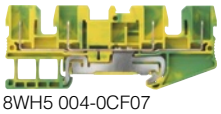
On terminal with four clamping points, the total current through all connected conductors must not exceed the max. load current.

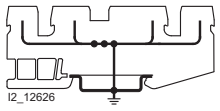
| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 14/8 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 14/8 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 14/8 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 14/8 | C | **8WH9 000-4NA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and four clamping points* | *Accessories* | 14/8 | C | **8WH9 000-1LA00** | | 100 | 50 | 044 |


8WH5 000-0CF07



8WH5 000-0CF07


8WH5 004-0CF07



8WH5 004-0CF07

**Through-type PE terminals, terminal size 2.5 mm²**
- Green-yellow
- Terminal width 5.2 mm
- cULus
- IEC 61984

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Two clamping points | C | **8WH5 000-0CF07** | | 1 | 50 | 044 |
| • Four clamping points | C | **8WH5 004-0CF07** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 14/8 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 14/8 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 14/8 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 14/8 | C | **8WH9 000-4NA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and four clamping points* | *Accessories* | 14/8 | C | **8WH9 000-1LA00** | | 100 | 50 | 044 |

14

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

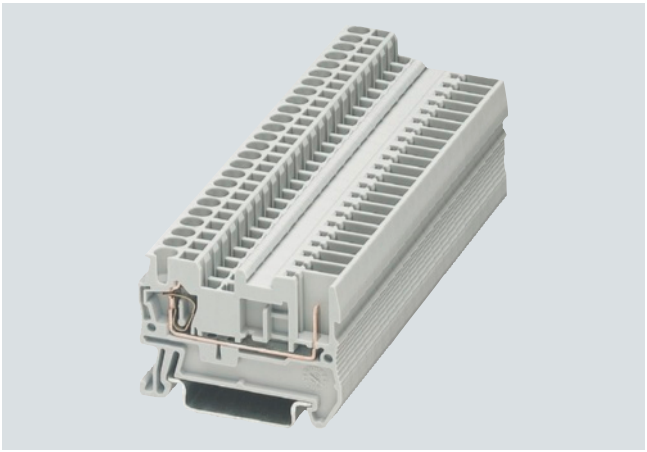


## 8WH5 through-type terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 070-0AA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | | | | | | |
| | Versions | | | | | | |
| | • For two clamping points | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • For four clamping points | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
|  8WH9 000-1LA00 | **Cover segments, for terminal size 2.5 mm² and four clamping points**<br>• Gray<br>• For covering multi-wire terminals when mounting two-wire terminals side-by-side | C | **8WH9 000-1LA00** | | 100 | 50 | 044 |
|  8WH9 000-4NA00 | **Covers, for terminal size 2.5 mm²**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • Two clamping points | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| | • Four clamping points | C | **8WH9 000-4NA00** | | 100 | 50 | 044 |

## 8WH5 hybrid through-type terminals

### Overview



The hybrid through-type terminals provide a modular solution for fast, flexible wiring of plants and machines. They combine the advantages of the combination terminal system with those of spring-loaded terminals.

### Technical specifications

| | 8WH5 100-2KF00<br>8WH5 100-2KF01 | 8WH5 103-2LF00<br>8WH5 103-2LF01 | 8WH5 104-2MF00<br>8WH5 104-2MF01 | 8WH5 100-3KF07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | 5.2 / 48.5 / 2.2<br>36.5 / 44 | 5.2 / 60.5 / 2.2 | 5.2 / 81 / 2.2 | 5.2 / 48.5 / 2.2 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A[1] / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | 24 / 4<br>6 / 3<br>III / I | | | -- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | | | |
| Stripped length | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | 300 / 20 / 26-12<br>-- | | | -- / -- / 26-12 |
| Support rails/protective conductor busbars | -- | | | See section *Support rails* |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

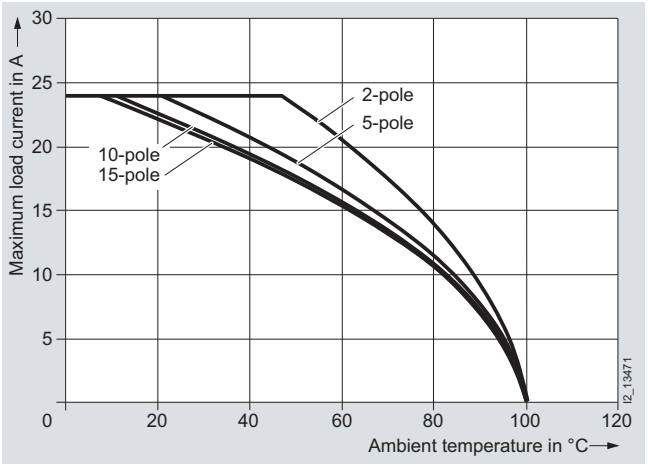
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

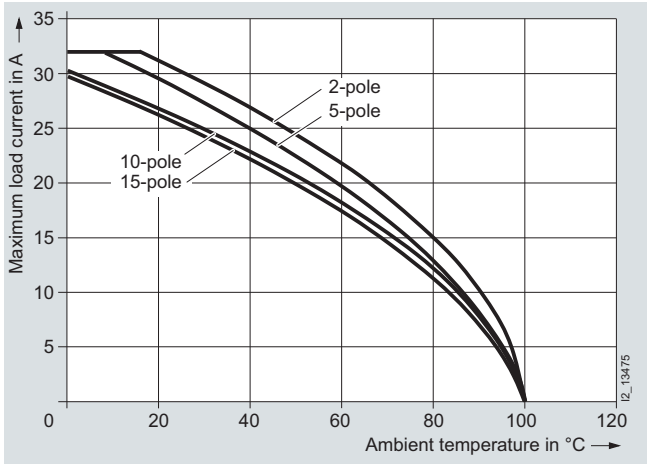


| | 8WH5 103-3LF07 | 8WH5 104-3MF07 | 8WH5 100-2KG00<br>8WH5 100-2KG01 | 8WH5 100-3KG07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>5.2 / 60.5 / 2.2<br>36.5 / 44 | 5.2 / 81 / 2.2 | 6.2 / 55.9 / 2.2 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A[1] / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>--<br>6 / 3<br>III / I | | 32 / 6 | -- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | | 0.25 ... 4<br>0.25 ... 4<br>0.5 ... 1 | |
| Stripped length | 10 | | | |
| Plug gage (IEC 60 947-1) | A3 | | A4 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>-- / -- / 26-12<br>-- | | <br><br>Applied for<br>Applied for | |
| Support rails/protective conductor busbars | See section *Support rails* | | -- | See section *Support rails* |

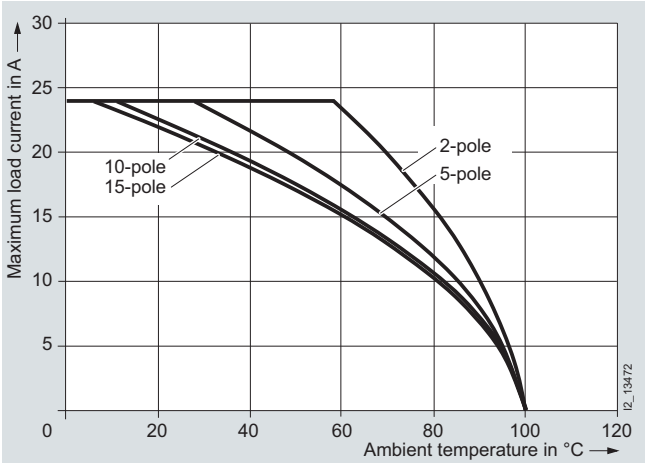
[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.




Derating curve for 8WH5 100-2KF00 and 8WH5 103-2LF00




Derating curve for 8WH5 100-2KG00



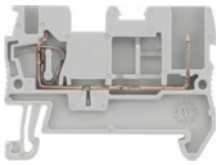

Derating curve for 8WH5 104-2MF00

© Siemens AG 2010

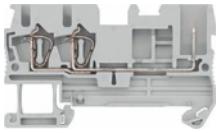


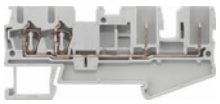
## 8WH5 hybrid through-type terminals

### Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | |
|  8WH5 100-2KF00 | | | | | | |
| **Hybrid through-type terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 24 A<br>- *U* = 500 V<br>• Green-yellow | | | | | | |
| Versions | | | | | | |
| • Gray | | | | | | |
| - Two clamping points | C | **8WH5 100-2KF00** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH5 103-2LF00** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH5 104-2MF00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Two clamping points | C | **8WH5 100-2KF01** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH5 103-2LF01** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH5 104-2MF01** | | 1 | 50 | 044 |
| Note | | | | | | |
| On terminal with three and four clamping points, the total current through all connected conductors must not exceed the max. load current. | | | | | | |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 14/12 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 14/12 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 14/12 | | **8WH9 000-5LA00** | | | | |
| • *Cover segments, for terminal size 2.5 mm²* | | | | | | | | |
| - *Three clamping points* | *Accessories* | 14/12 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| - *Four clamping points* | *Accessories* | 14/12 | A | **8WH9 000-0LA00** | | 100 | 50 | 044 |


8WH5 103-2LF00


8WH5 104-2MF00

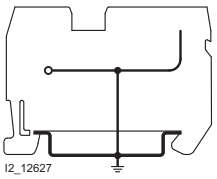
14

* You can order this quantity or a multiple thereof.

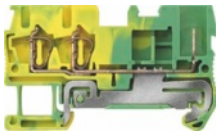
© Siemens AG 2010

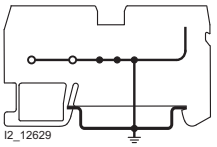



8WH5 100-3KF07



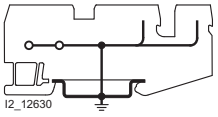
8WH5 100-3KF07


8WH5 103-3LF07



8WH5 103-3LF07

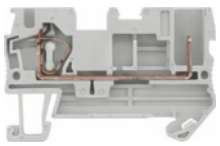

8WH5 104-3MF07



8WH5 104-3MF07

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Hybrid through-type PE terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>• Green-yellow | | | | | | | | |
| Versions | | | | | | | | |
| • Two clamping points | | | C | **8WH5 100-3KF07** | | 1 | 50 | 044 |
| • Three clamping points | | | C | **8WH5 103-3LF07** | | 1 | 50 | 044 |
| • Four clamping points | | | C | **8WH5 104-3MF07** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* | | | | | | | | |
| - *For two clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| - *For three clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0GA00** | | 100 | 50 | 044 |
| - *For four clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| • *Covers, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 14/12 | C | **8WH9 000-1GA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 14/12 | C | **8WH9 000-2GA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 14/12 | | **8WH9 000-5LA00** | | | | |
| • *Cover segments, for terminal size 2.5 mm²* | | | | | | | | |
| - *Three clamping points* | *Accessories* | 14/12 | A | **8WH9 000-0GA00** | | 100 | 10 | 044 |
| - *Four clamping points* | *Accessories* | 14/12 | A | **8WH9 000-0LA00** | | 100 | 50 | 044 |

## Terminal size 4 mm²


8WH5 100-2KG00

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Hybrid through-type terminals, terminal size 4 mm², 2 clamping points**<br>• Terminal width 6.2 mm<br>• IEC 61984<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- *U* = 800 V | | | | | | | | |
| Versions | | | | | | | | |
| • Blue | | | C | **8WH5 100-2KG00** | | 1 | 50 | 044 |
| • Gray | | | C | **8WH5 100-2KG01** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and two clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 4 mm² and two clamping points* | *Accessories* | 14/12 | C | **8WH9 003-1GA00** | | 100 | 50 | 044 |

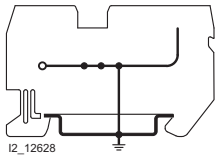
14

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH5 hybrid through-type terminals

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
|  8WH5 100-3KG07 | **Hybrid through-type PE terminals, terminal size 4 mm², two clamping points**<br>• Terminal width 6.2 mm<br>• IEC 61984<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 4 mm²<br>- AWG 28-10<br>• Green-yellow | | | C | **8WH5 100-3KG07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
|  8WH5 100-3KG07 | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and two clamping points* | *Accessories* | 14/12 | C | **8WH9 070-0AA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 4 mm² and two clamping points* | *Accessories* | 14/12 | C | **8WH9 003-1GA00** | | 100 | 50 | 044 |

## Accessories

| | | | | |
|---|---|---|---|---|
|  8WH9 070-0AA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | | | |
| | Versions | | | |
| | • For two clamping points | C | **8WH9 070-0AA00** | 100 50 044 |
| | • For three clamping points | C | **8WH9 070-0GA00** | 100 50 044 |
| | • For four clamping points | C | **8WH9 070-0HA00** | 100 50 044 |
|  8WH9 000-4LA00 | **Covers** | | | |
| | Versions | | | |
| | • For terminal sizes 1.5 ... 2.5 mm² | | | |
| | - Two clamping points | C | **8WH9 000-1GA00** | 100 50 044 |
| | - Three clamping points | C | **8WH9 000-2GA00** | 100 50 044 |
| | - Four clamping points | | **8WH9 000-5LA00** | |
| | • For terminal size 4 mm² | | | |
| | - Two clamping points | C | **8WH9 003-1GA00** | 100 50 044 |
|  8WH9 000-0LA00 | **Cover segments, for terminal size 2.5 mm²** | | | |
| | Versions | | | |
| | • Three clamping points | A | **8WH9 000-0GA00** | 100 10 044 |
| | • Four clamping points | A | **8WH9 000-0LA00** | 100 50 044 |

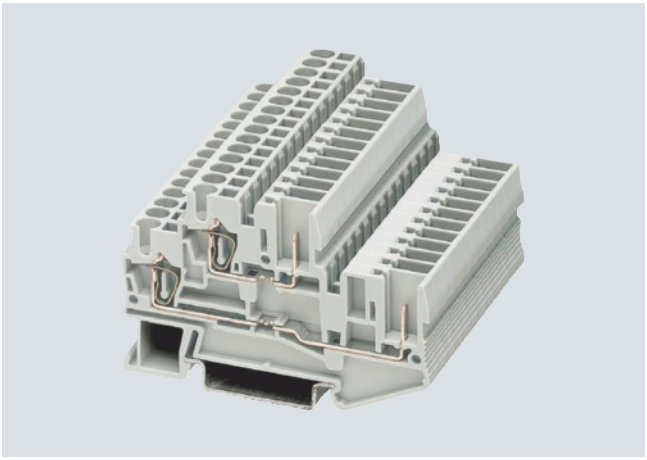


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

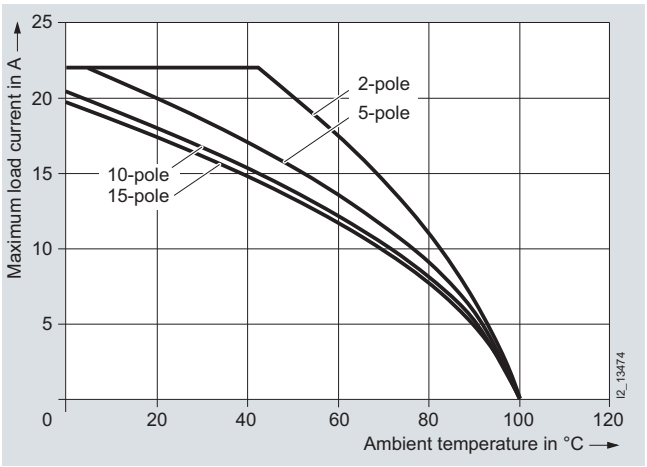


With the two voltage levels routed through two separate tiers, the combination two-tier plug-in terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, connecting combs can be fitted to both tiers of the combination two-tier plug-in terminals.

## Technical specifications

| | **8WH5 120-2MF00<br>8WH5 120-2MF01<br>8WH5 125-2MF00<br>8WH5 125-2MF01** | **8WH5 120-3MF07** |
|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>5.2 / 71.5 / 2.2<br>47.5 / 55 | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A[1] / cross-section in mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>22 / 4<br>6 / 3<br>III / I | <br>-- |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | |
| Stripped length | 10 | |
| Plug gage (IEC 60947-1) | A3 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>300 / 20 / 26-12<br>-- | <br><br>-- / -- / 26-12 |
| Support rails/protective conductor busbars | -- | See section *Support rails* |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

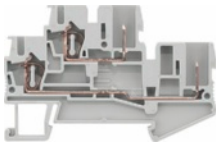
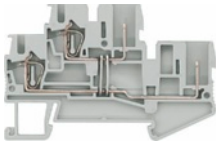
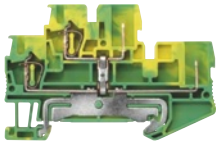
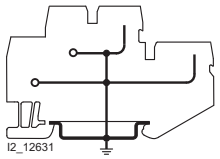



Derating curve for 8WH5 120-2MF00 and 8WH5 125-2MF00

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | |
|  8WH5 120-2MF00 | **Hybrid two-tier terminals, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 22 A<br>- *U* = 500 V | | | | | | |
|  8WH5 125-2MF00 | Versions | | | | | | |
| | • Gray | | | | | | |
| | - Without equipotential bonding | C | **8WH5 120-2MF00** | | 1 | 50 | 044 |
| | - With equipotential bonding | C | **8WH5 125-2MF00** | | 1 | 50 | 044 |
| | • Blue | | | | | | |
| | - Without equipotential bonding | C | **8WH5 120-2MF01** | | 1 | 50 | 044 |
| | - With equipotential bonding | C | **8WH5 125-2MF01** | | 1 | 50 | 044 |
| | Note | | | | | | |
| | On terminal with equipotential bonding, the total current through all connected conductors must not exceed the max. load current. | | | | | | |
| | Accessories / Section / Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* — *Accessories* 14/14 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm²* — *Accessories* 14/14 | C | **8WH9 000-1MA00** | | 100 | 50 | 044 |
|  8WH5 120-3MF07 | **Hybrid two-tier PE terminals, terminal size 2.5 mm²** | C | **8WH5 120-3MF07** | | 1 | 50 | 044 |
| | • Green-yellow<br>• Terminal width 5.2 mm<br>• c UL us<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12 | | | | | | |
| | Accessories / Section / Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm²* — *Accessories* 14/14 | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm²* — *Accessories* 14/14 | C | **8WH9 000-1MA00** | | 100 | 50 | 044 |
|  8WH5 120-3MF07 | | | | | | | |
| **Accessories** | | | | | | | |
|  8WH9 070-0BA00 | **Compartment partitions, for terminal size 1.5 ... 4 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | C | **8WH9 070-0BA00** | | 100 | 50 | 044 |
|  8WH9 000-1MA00 | **Covers, for terminal size 2.5 mm²**<br>Gray | C | **8WH9 000-1MA00** | | 100 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



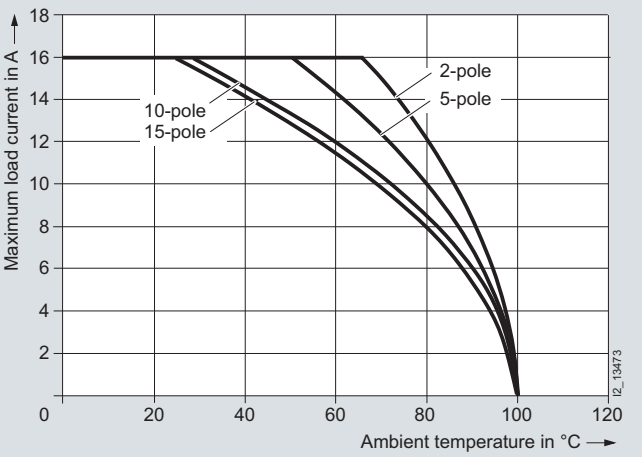
Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control. Key features of the hybrid isolating blade terminals are the slim design of only 5.2 mm and their high current carrying capacity of 16 A. Ø 2.3-mm test plugs can be fitted on both sides of the isolating point. A special feature of this terminal type is its three bridge slots: the two slots that all the combination plug-in series have in common and an extra one on the other side of the isolating point.

The isolating blade is secured to the terminal so that it cannot be lost.

## Technical specifications

| | 8WH5 103-6EF00 |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 5.2 / 81 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 36.5 / 44 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A[1] / cross-section in A / mm² | 16 / 4 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 |
| • Overvoltage category / insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 |
| Stripped length | 10 |
| Plug gage (IEC 60947-1) | A3 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | Applied for |
| - CSA: in V/A / AWG | Applied for |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



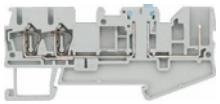
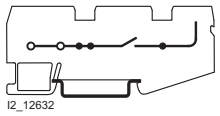

Derating curve for 8WH5 103-6EF00

© Siemens AG 2010



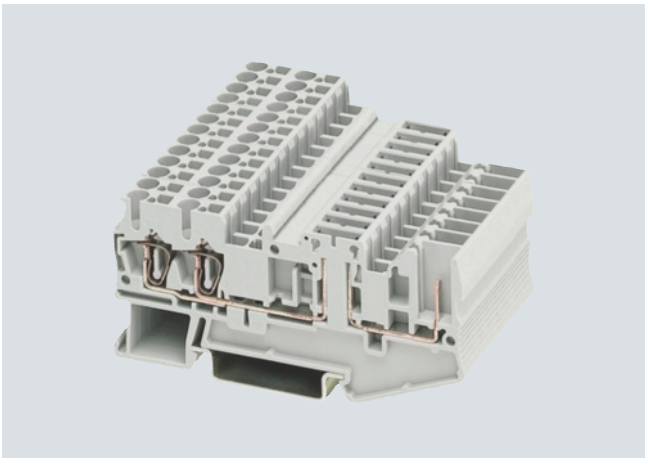
## 8WH5 hybrid isolating blade terminals

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH5 103-6EF00 | **Hybrid isolating blade terminals, terminal size 2.5 mm²**<br>• Gray<br>• Terminal width 5.2 mm<br>• With three clamping points (2 × spring-loaded terminal, 1× combination plug-in terminal connection)<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 16 A<br>- *U* = 400 V | | | C | **8WH5 103-6EF00** | | 1 | 50 | 044 |
|  I2_12632 8WH5 103-6EF00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and four clamping points* | *Accessories* | 14/16 | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
| | • *Covers, for terminal size 2.5 mm² and four clamping points* | *Accessories* | 14/16 | C | **8WH9 000-4LA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
| | **Compartment partitions, for terminal size 1.5 ... 4 mm² and four clamping points**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | | | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
|  8WH9 000-4LA00 | **Covers, for terminal size 2.5 mm² and four clamping points** | | | C | **8WH9 000-4LA00** | | 100 | 50 | 044 |

## 8WH5 hybrid isolating terminals

### Overview



Through-type terminals with isolating point are the most commonly used terminal types in instrumentation and control. The isolating point can accommodate through-type connectors, isolating plugs, component connectors and fused connectors. Key features of the isolating terminals are the slim design of only 5.2 mm and their high current carrying capacity of 16 A. Ø 2.3-mm test plugs can be fitted on both sides of the isolating point. A special feature of this terminal type is its three bridge slots.

The slim 5.2 mm isolating terminal with terminal size 2.5 mm² is a base terminal and is used for holding:

- Isolating plugs
- Through-type connectors
- Fused connectors
- Component connectors





* You can order this quantity or a multiple thereof.

© Siemens AG 2010

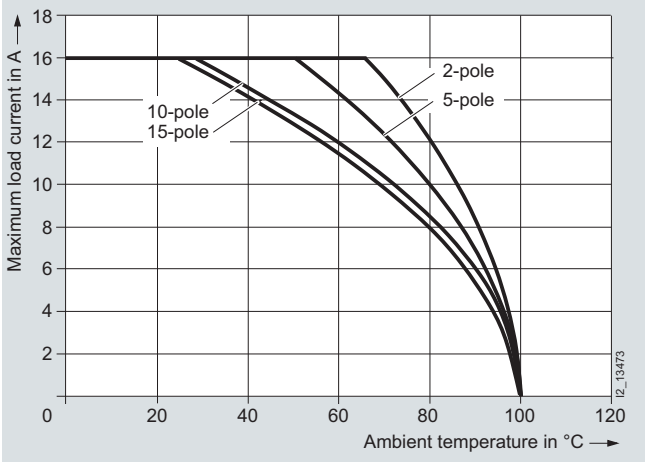


## Technical specifications

| | 8WH5 103-6FF00 |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 5.2 /81 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 36.5 / 44 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A[1] / cross-section in mm² | 16 / 4 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 |
| • Overvoltage category / insulating group | III / I |
| Connection capacities | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 |
| Stripped length | 10 |
| Plug gage (IEC 60947-1) | A3 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | Applied for |
| - CSA: in V/A / AWG | Applied for |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

| G fuse links 5 × 20 mm to IEC 60947-7-3 | *U* | Overload protection | | Without short-circuit protection | | $I_{max}$ |
|---|---|---|---|---|---|---|
| | | Separate | Interconnected | Separate | Interconnected | |
| 8WH2 000-1GG08 | 250 V | 1.6 W | 1.6 W | 4 W | 2.5 W | 6.3 A |



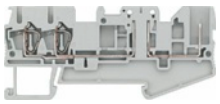
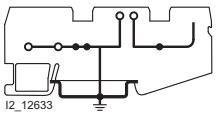

Derating curve for 8WH5 103-6FF00

© Siemens AG 2010



## 8WH5 hybrid isolating terminals

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | |
|  8WH5 103-6FF00 | **Hybrid isolating terminals, terminal size 2.5 mm²**<br>• Gray<br>• Terminal width 5.2 mm<br>• With three clamping points (2 × spring-loaded terminal, 1× combination plug-in terminal connection)<br>• IEC 61984<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- $I$ = 16 A<br>- $U$ = 400 V<br>- Current and voltage are determined by the fitted plug. | C | **8WH5 103-6FF00** | | 1 | 50 | 044 |
|  8WH5 103-6FF00 | | | | | | | |
| Accessories | Section | Page | | | | | |
| *Compartment partitions, for terminal sizes 1.5 ... 4 mm² and four clamping points* | *Accessories* | 14/18 | C | **8WH9 070-0HA00** | 100 | 50 | 044 |
| *Covers, for terminal size 2.5 mm² and four clamping points* | *Accessories* | 14/18 | C | **8WH9 000-4LA00** | 100 | 50 | 044 |
| *Plug-in zone connectors* | | | | | | | |
| • *Isolating plugs* | *Accessories* | 14/18 | C | **8WH9 040-0DB04** | 1 | 50 | 044 |
| • *Through-type connectors* | *Accessories* | 14/18 | C | **8WH9 020-8AB00** | 1 | 50 | 044 |
| • *Fused connectors* | | | | | | | |
| - *With LED display for 12 ... 30 V* | *Accessories* | 14/18 | C | **8WH9 040-3AB08** | 1 | 10 | 044 |
| - *With LED display for 30 ... 60 V* | *Accessories* | 14/18 | C | **8WH9 040-3BB08** | 1 | 10 | 044 |
| - *With LED display for 110 ... 250 V* | *Accessories* | 14/18 | C | **8WH9 040-3CB08** | 1 | 10 | 044 |
| - *Without LED display* | *Accessories* | 14/18 | C | **8WH9 040-3DB08** | 1 | 10 | 044 |
| • *Component connectors* | *Accessories* | 14/18 | C | **8WH9 040-0BB00** | 1 | 10 | 044 |
| **Accessories** | | | | | | | |
| | **Compartment partitions, for terminal size 1.5 ... 4 mm² and four clamping points**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | C | **8WH9 070-0HA00** | | 100 | 50 | 044 |
|  8WH9 000-4LA00 | **Covers, for terminal size 2.5 mm² and four clamping points** | C | **8WH9 000-4LA00** | | 100 | 50 | 044 |
|  8WH9 040-0DB04 | **Plug-in zone connectors** | | | | | | |
| | Versions | | | | | | |
| | • Isolating plugs<br>- Orange | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
| | • Through-type connectors<br>- Gray | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
|  8WH9 020-8AB00 | • Fused connectors<br>- Black<br>- 5 x 20 mm G fuses can be fitted in fused connectors ($I_{max}$ = 6.3A) | | | | | | |
| | Versions | | | | | | |
|  8WH9 040-3AB08 | - With LED display for 12 ... 30 V | C | **8WH9 040-3AB08** | | 1 | 10 | 044 |
| | - With LED display for 30 ... 60 V | C | **8WH9 040-3BB08** | | 1 | 10 | 044 |
| | - With LED display for 110 ... 250 V | C | **8WH9 040-3CB08** | | 1 | 10 | 044 |
| | - Without LED display | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | Note<br>- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links so that the offset of the rated current must also be taken into account.<br>- Max. power loss at 23 °C (according to IEC 60947-7-3): when selecting G fuse links, make sure that they do not exceed the maximum power loss specified in the section *Technical specifications*. For specification details, contact the fuse manufacturer. | | | | | | |
|  8WH9 040-0BB00 | • Component connectors<br>- Gray<br>- Labeling plates offer facility for inscription, for terminal width 5.2 mm | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |

14



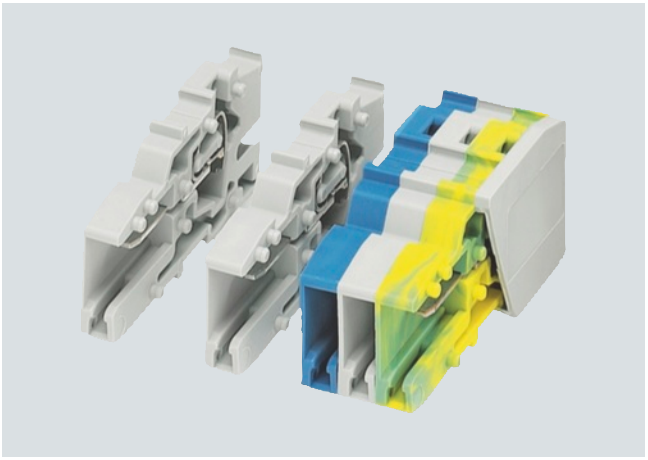
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH9 plug-in connectors

### Overview



Assembled by the user in-situ from single-pin elements, the plug-in connectors in kit form provide a custom solution for every task.

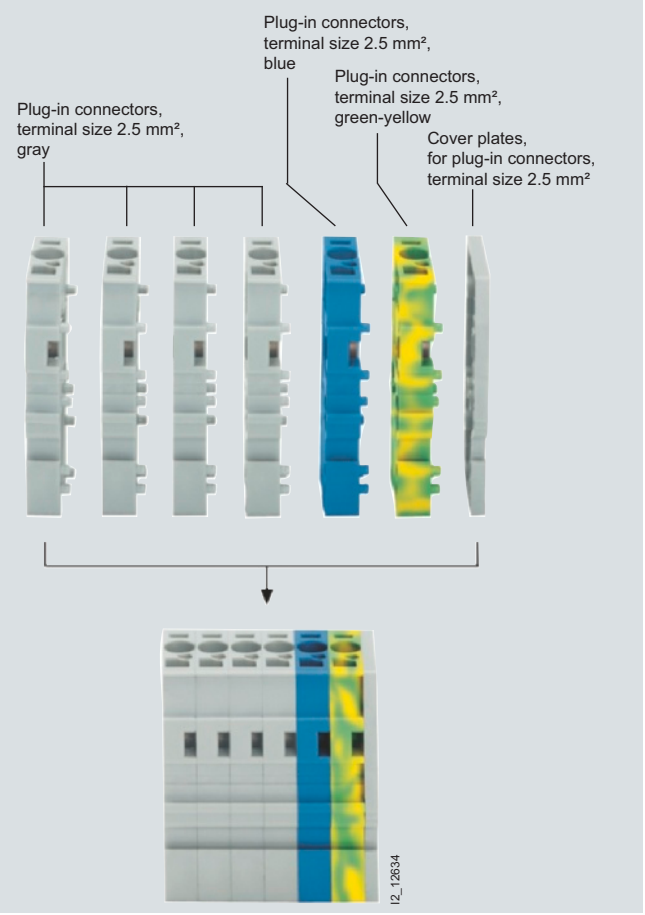
The basic single-pole connector elements are available in the colors gray, blue and green-yellow.

### Design

The required number of single-connector elements and one cover are needed for each multi-pole connector. The individual elements and the cover are simply pushed together and latched with securing pins.

When assembling connectors for direct installation, an element with securing pins should be fitted at each end of the connector. For longer connectors, it is advisable to use an element with securing pins for at least every sixth element.

To ensure that the elements engage securely, the holes must be burr-free.




Example of a 6-pin connector

### Technical specifications

| | 8WH9 050-0LB00<br>8WH9 050-0LB01 | 8WH9 050-0LB07 | 8WH9 050-0AB00<br>8WH9 050-0AB01 | 8WH9 050-0AB07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 5.2 / 37.2 / 2.2 | | 6.2 / 48.6 / 3.2 | |
| • Height (TS 35/7.5 / TS 35/15) in mm | 18 | | 22.3 | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A[1] / cross-section in A / mm² | 24 / 4 | | 32 / 6 | |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | | 8 / 3 | |
| • Overvoltage category / insulating group | III / I | | III / I | |
| Connection capacities | | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | 0.25 ... 4 | |
| • Flexible with two-wire connection end sleeve with plastic sleeve in mm² | 0.5 | | 1 | |
| Stripped length | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | 600 / 20 / 26-12 | | Applied for | |
| - CSA: in V/A / AWG | -- | | Applied for | |
| Support rails/protective conductor busbars | -- | See section *Support Rails* | -- | See section *Support rails* |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

© Siemens AG 2010



## 8WH9 plug-in connectors

### Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH9 050-0LB00 | **Plug-in connectors, terminal size 2.5 mm²**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 24 A<br>- *U* = 500 V<br>• Number of poles = 1 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH9 050-0LB00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH9 050-0LB01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm²* | *Accessories* | *14/20* | C | **8WH9 000-7LA00** | | 100 | 50 | 044 |
|  8WH9 050-0LB07 | **Plug-in PE connectors, terminal size 2.5 mm²**<br>• Green-yellow<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 24 A<br>- *U* = 500 V<br>• Number of poles = 1 | | | C | **8WH9 050-0LB07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 2.5 mm²* | *Accessories* | 14/20 | C | **8WH9 000-7LA00** | | 100 | 50 | 044 |
| **Terminal size 4 mm²** | | | | | | | | | |
|  8WH9 050-0AB00 | **Plug-in connectors, terminal size 4 mm²**<br>• Gray<br>• Terminal width 6.2 mm<br>• Supply data<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 24 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- *U* = 800 V<br>• Number of poles = 1 | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH9 050-0AB00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH9 050-0AB01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm²* | *Accessories* | 14/20 | C | **8WH9 003-7LA00** | | 100 | 50 | 044 |
|  8WH9 050-0AB07 | **Plug-in PE connectors, terminal size 4 mm²**<br>• Green-yellow<br>• Terminal width 6.2 mm<br>• Supply data<br>- Rigid, 0.08 ... 6 mm²<br>- Flexible, 0.08 ... 24 mm²<br>- AWG 28-10<br>- *I* = 32 A<br>- *U* = 800 V<br>• Number of poles = 1 | | | C | **8WH9 050-0AB07** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | *Covers, for terminal size 4 mm²* | *Accessories* | 14/20 | C | **8WH9 003-7LA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
| | **Covers**<br>Gray | | | | | | | | |
| | Versions | | | | | | | | |
| | • For terminal size 2.5 mm² | | | C | **8WH9 000-7LA00** | | 100 | 50 | 044 |
| | • For terminal size 4 mm² | | | C | **8WH9 003-7LA00** | | 100 | 50 | 044 |

14



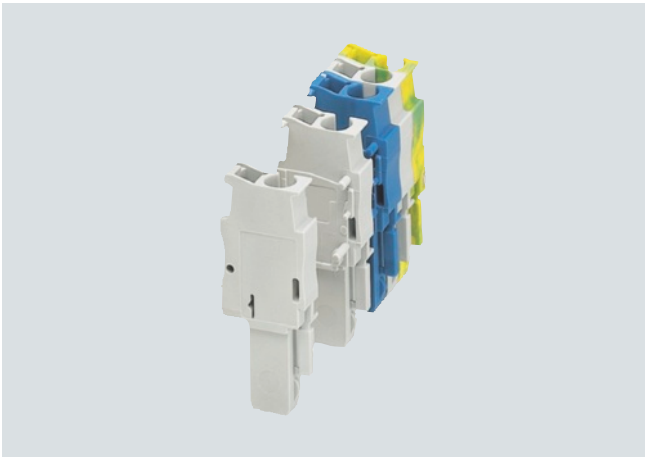
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH9 plugs

### Overview

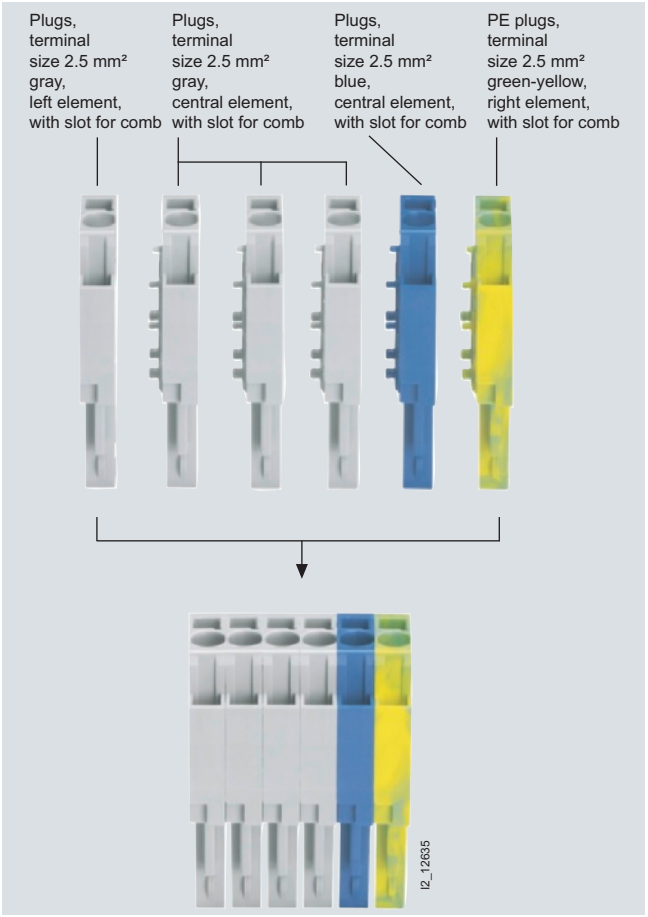


Assembled by the user in-situ from single-terminal elements, the combination plug-in terminals in kit form provide a custom solution for every task.

For existing plugs with terminal sizes 2.5 mm² and 4 mm², and the plug with comb connection and terminal size 2.5 mm², there are single-pole elements available in the colors gray, blue and green-yellow.

### Design

A left and a right element are needed for the two ends of the assembled connector for each multi-pin plug. The number of middle elements depends on the plug's required number of poles. The individual elements are simply pushed together and latched with securing pins.




Example of a 6-pin plug

### Technical specifications

| | 8WH9 040-1AB00<br>8WH9 040-1AB01<br>8WH9 040-1BB00<br>8WH9 040-1BB01<br>8WH9 040-1CB00<br>8WH9 040-1CB01<br>8WH9 040-1DB00<br>8WH9 040-1DB01<br>8WH9 040-1EB00<br>8WH9 040-1EB01<br>8WH9 040-1FB00<br>8WH9 040-1FB01 | 8WH9 040-1AB07<br>8WH9 040-1BB07<br>8WH9 040-1CB07<br>8WH9 040-1DB07<br>8WH9 040-1EB07<br>8WH9 040-1FB07 | 8WH9 050-1KB00<br>8WH9 050-1KB01<br>8WH9 050-1LB00<br>8WH9 050-1LB01<br>8WH9 050-1MB00<br>8WH9 050-1MB01 | 8WH9 050-1KB07<br>8WH9 050-1LB07<br>8WH9 050-1MB07 |
|---|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>--<br>-- | | | |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A[1] / cross-section in A / mm²<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>24 / 4<br>6 / 3<br>III / I | | 32 / 6<br>8 / 3 | |
| Connection capacities<br>• Flexible with end sleeve with plastic sleeve in mm²<br>• Flexible with end sleeve without plastic sleeve in mm²<br>• Flexible with two-wire connection end sleeve with plastic sleeve in mm² | <br>0.25 ... 2.5<br>0.25 ... 2.5<br>0.5 | | 0.25 ... 4<br>0.25 ... 4<br>0.5 ... 1 | |
| Stripped length | 10 | | | |
| Plug gage (IEC 60947-1) | A3 | | A4 | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>600 / 20 / 26-12<br>-- | | <br><br>Applied for<br>Applied for | |
| Support rails/protective conductor busbars | -- | See section *Support rails* | -- | See section *Support Rails* |

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

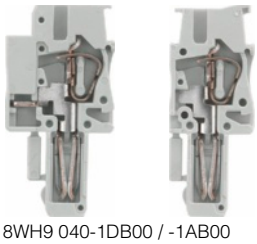
© Siemens AG 2010

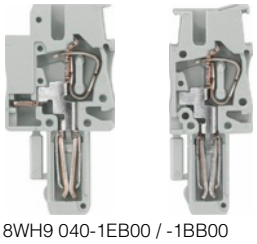


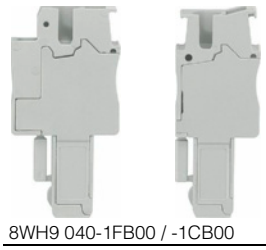
## 8WH9 plugs

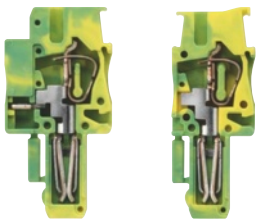
### Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | |
| **Plugs, terminal size 2.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 24 A<br>- *U* = 500 V<br>• Number of poles = 1 | | | | | | |
| Versions | | | | | | |
| • Gray | | | | | | |
| - Left element, with slot for comb | C | **8WH9 040-1DB00** | | 1 | 50 | 044 |
| - Central element, with slot for comb | C | **8WH9 040-1EB00** | | 1 | 50 | 044 |
| - Right element, with slot for comb | C | **8WH9 040-1FB00** | | 1 | 50 | 044 |
| - Left element, without slot for comb | C | **8WH9 040-1AB00** | | 1 | 50 | 044 |
| - Central element, without slot for comb | C | **8WH9 040-1BB00** | | 1 | 50 | 044 |
| - Right element, without slot for comb | C | **8WH9 040-1CB00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Left element, with slot for comb | C | **8WH9 040-1DB01** | | 1 | 50 | 044 |
| - Central element, with slot for comb | C | **8WH9 040-1EB01** | | 1 | 50 | 044 |
| - Right element, with slot for comb | C | **8WH9 040-1FB01** | | 1 | 50 | 044 |
| - Left element, without slot for comb | C | **8WH9 040-1AB01** | | 1 | 50 | 044 |
| - Central element, without slot for comb | C | **8WH9 040-1BB01** | | 1 | 50 | 044 |
| - Right element, without slot for comb | C | **8WH9 040-1CB01** | | 1 | 50 | 044 |
| Accessories — Section — Page | | | | | | |
| *Latches* | | | | | | |
| • *With strain relief* — *Accessories* — 14/24 | C | **8WH9 050-2BA04** | | 100 | 50 | 044 |
| • *Without strain relief* — *Accessories* — 14/24 | C | **8WH9 050-2AA04** | | 100 | 50 | 044 |
| **PE plugs, terminal size 2.5 mm²**<br>• Green-yellow<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.08 ... 4 mm²<br>- Flexible, 0.08 ... 2.5 mm²<br>- AWG 28-12<br>- *I* = 24 A<br>- *U* = 500 V<br>• Number of poles = 1 | | | | | | |
| Versions | | | | | | |
| • Left element, with slot for comb | C | **8WH9 040-1DB07** | | 1 | 50 | 044 |
| • Central element, with slot for comb | C | **8WH9 040-1EB07** | | 1 | 50 | 044 |
| • Right element, with slot for comb | C | **8WH9 040-1FB07** | | 1 | 50 | 044 |
| • Left element, without slot for comb | C | **8WH9 040-1AB07** | | 1 | 50 | 044 |
| • Central element, without slot for comb | C | **8WH9 040-1BB07** | | 1 | 50 | 044 |
| • Right element, without slot for comb | C | **8WH9 040-1CB07** | | 1 | 50 | 044 |
| Accessories — Section — Page | | | | | | |
| *Latches* | | | | | | |
| • *With strain relief* — *Accessories* — 14/24 | C | **8WH9 050-2BA04** | | 100 | 50 | 044 |
| • *Without strain relief* — *Accessories* — 14/24 | C | **8WH9 050-2AA04** | | 100 | 50 | 044 |

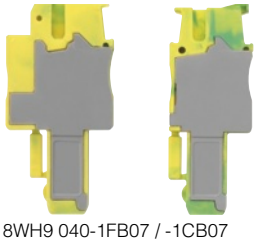

8WH9 040-1DB00 / -1AB00


8WH9 040-1EB00 / -1BB00


8WH9 040-1FB00 / -1CB00


8WH9 040-1DB07 / -1AB07


8WH9 040-1EB07 / -1BB07


8WH9 040-1FB07 / -1CB07

14



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Terminal size 4 mm²


8WH9 040-1KB00


8WH9 040-1LB00


8WH9 040-1MB00

**Plugs, terminal size 4 mm², without slot for comb**
- Terminal width 6.2 mm
- Supply data
  - Rigid, 0.08 ... 6 mm²
  - Flexible, 0.08 ... 24 mm²
  - AWG 28-10
  - *I* = 32 A
  - *U* = 800 V
- Number of poles = 1

| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Gray | | | | | | | | |
| - Left element | | | C | **8WH9 040-1KB00** | | 1 | 50 | 044 |
| - Central element | | | C | **8WH9 040-1LB00** | | 1 | 50 | 044 |
| - Right element | | | C | **8WH9 040-1MB00** | | 1 | 50 | 044 |
| • Blue | | | | | | | | |
| - Left element | | | C | **8WH9 040-1KB01** | | 1 | 50 | 044 |
| - Central element | | | C | **8WH9 040-1LB01** | | 1 | 50 | 044 |
| - Right element | | | C | **8WH9 040-1MB01** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| *Latches* | | | | | | | | |
| • *With strain relief* | *Accessories* | 14/24 | C | **8WH9 050-2BA04** | | 100 | 50 | 044 |
| • *Without strain relief* | *Accessories* | 14/24 | C | **8WH9 050-2AA04** | | 100 | 50 | 044 |


8WH9 040-1KB07


8WH9 040-1LB07


8WH9 040-1MB07

**PE plugs, terminal size 4 mm², without slot for comb**
- Green-yellow
- Terminal width 6.2 mm
- Supply data
  - Rigid, 0.08 ... 6 mm²
  - Flexible, 0.08 ... 24 mm²
  - AWG 28-10
  - *I* = 32 A
  - *U* = 800 V
- Number of poles = 1

| Versions | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • Left element | | | C | **8WH9 040-1KB07** | | 1 | 50 | 044 |
| • Central element | | | C | **8WH9 040-1LB07** | | 1 | 50 | 044 |
| • Right element | | | C | **8WH9 040-1MB07** | | 1 | 50 | 044 |
| Accessories | Section | Page | | | | | | |
| *Latches* | | | | | | | | |
| • *With strain relief* | *Accessories* | 14/24 | C | **8WH9 050-2BA04** | | 100 | 50 | 044 |
| • *Without strain relief* | *Accessories* | 14/24 | C | **8WH9 050-2AA04** | | 100 | 50 | 044 |



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH9 plugs

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 050-2BA04 | **Latches**<br>Number of poles: 2<br>Versions | | | | | | |
| | • With strain relief | C | **8WH9 050-2BA04** | | 100 | 50 | 044 |
| | • Without strain relief | C | **8WH9 050-2AA04** | | 100 | 50 | 044 |

## Support rails/protective conductor busbars

### Technical specifications

| Support rail type | | | | | | | Excerpt from IEC 60947-7-2/EN 60947-7-2/ VDE 0611 Part 3 | | |
|---|---|---|---|---|---|---|---|---|---|
| Width | Height | Thick-ness | Perforation type | Material | Surface | Rail profile | Short-circuit strength (Cu conductor) | Short-time withstand current, 1 s | Max. permissi-ble thermal rated current at PEN function |
| mm | mm | mm | | | | | mm² [1] | kA | A |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [1] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | V2A high-grade steel | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2] |
| 35 | 7.5 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 50 | 6.0 | 150 |
| 35 | 7.5 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 35 | 4.2 | 125 |
| 35 | 15 | 2.3 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 15 | 50 | 6.0 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2] |
| 35 | 15 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 95 | 11.4 | 232 |
| 35 | 15 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 70 | 8.4 | 192 |

[1] Cross-sections calculated according to IEC 60439-1 / EN 60439-1 / EN 60439-1 / VDE 0660 Part 500.

[2] Steel protective conductor busbars are not permissible for PEN function.

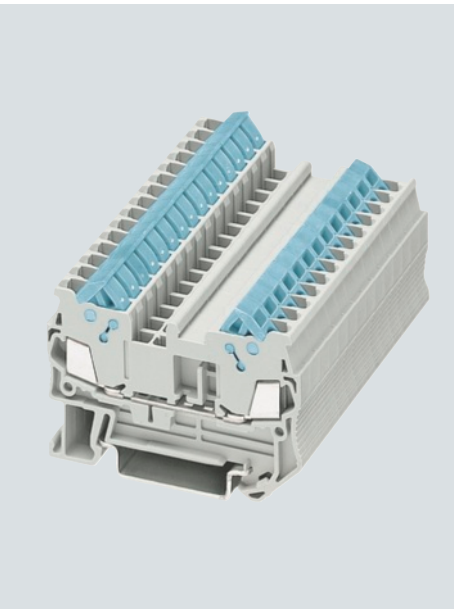


* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# Insulation Displacement Terminals

15




15/2 **Introduction**

15/6 **8WH through-type terminals**

15/11 **8WH hybrid through-type terminals**

15/22 **8WH two-tier terminals**

15/24 **8WH isolating blade terminals**

15/25 **8WH isolating terminals**

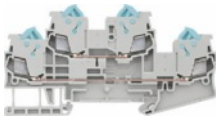
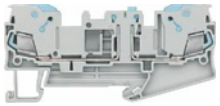
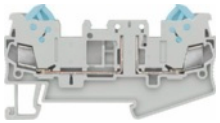
15/28 **Support rails/protective conductor busbars**

© Siemens AG 2010



## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
|  | 8WH through-type terminals | 15/6 | Connection up to 2.5 mm² from incoming and outgoing conductors |
|  | 8WH hybrid through-type terminals | 15/12 | Terminals with a range of connection methods |
|  | 8WH two-tier terminals | 15/24 | Compact design of the terminal blocks, which can accommodate installation of two connecting cables |
|  | 8WH isolating blade terminals | 15/26 | Isolation of the circuit, e.g. for test purposes |
|  | 8WH isolating terminals | 15/28 | Isolation of the circuit, e.g. for test purposes |

| | Connection type → | Insulation displacement terminal | | | | Order No. (digits 8 ... 12) |
|---|---|---|---|---|---|---|
| | Version → | Standard | | | Two-tier | |
| | Number of clamping points → | 2 | 3 | 4 | 4 | |
| | Order No. (Digits 1 ... 7) → | 8WH3 000 | 8WH3 003 | 8WH3 004 | 8WH3 020 | |
| Conductor cross-section | Terminal type[1] | Color | | | | |
| 1.5 mm² | Through-type | Gray | ✔ | ✔ | ✔ | ✔ | 0AE00 |
| | | Blue | ✔ | ✔ | ✔ | ✔ | 0AE01 |
| | Isolating | Gray | ✔ | -- | -- | -- | 6AE00 |
| | PE | Green-yellow | ✔ | ✔ | ✔ | ✔ | 0CE07 |
| 2.5 mm² | Through-type | Gray | ✔ | ✔ | -- | -- | 0AF00 |
| | | Blue | ✔ | ✔ | -- | -- | 0AF01 |
| | Isolating | Gray | ✔ | -- | -- | -- | 6AF00 |
| | Isolating blade | Gray | ✔ | -- | -- | -- | 0CF00 |
| | | Blue | ✔ | -- | -- | -- | 6CF01 |
| | PE | Green-yellow | ✔ | -- | -- | -- | 0CF07 |

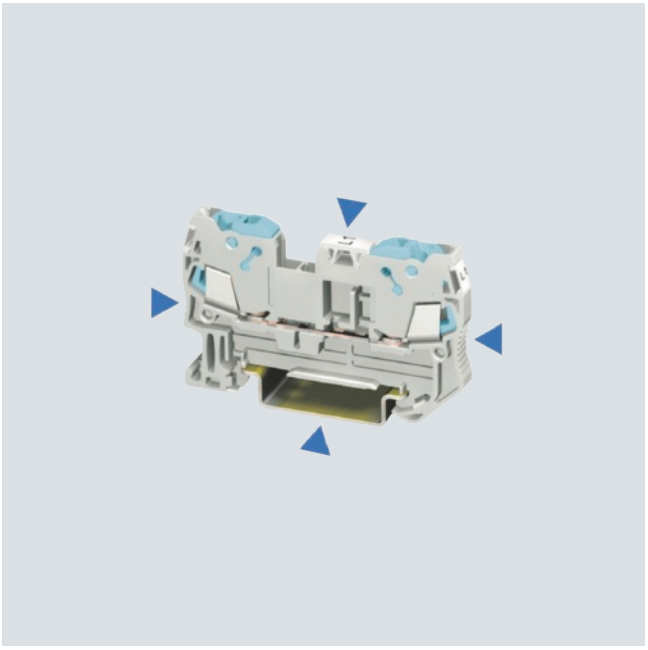
1) Only the main terminal types are listed here. You will find further versions on the following pages.

### *Rated short-time withstand current*

Our insulation displacement terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

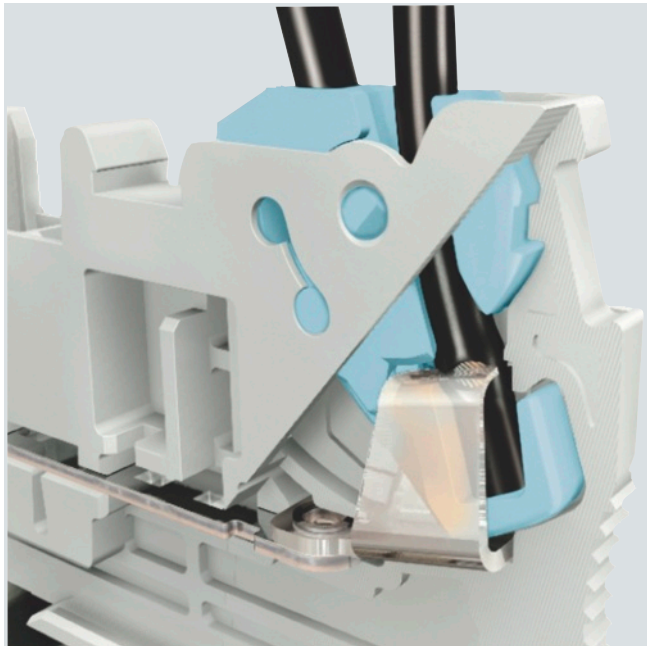
© Siemens AG 2010



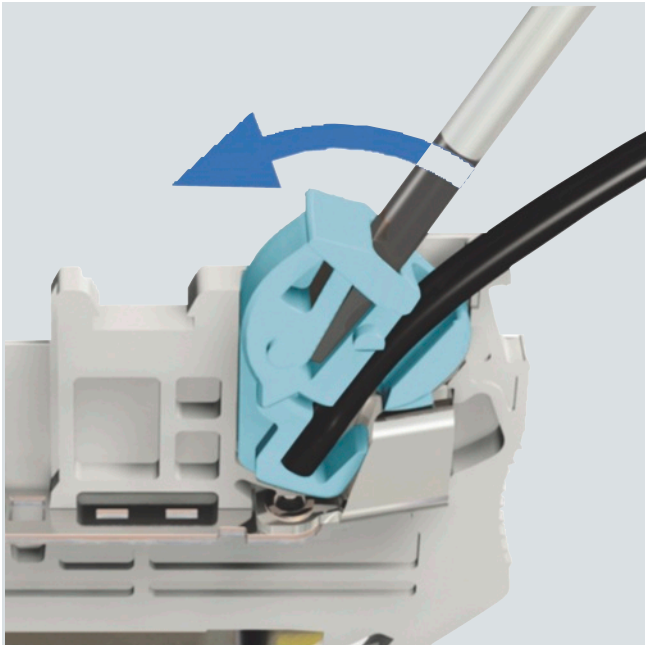


The insulation displacement series stands out with its IDC rotary connection. This concept saves considerable space in the control cabinet without impairing other quality features, such as

- Large surface marking,
- Maximum connection compartment,
- Flexible connecting combs.

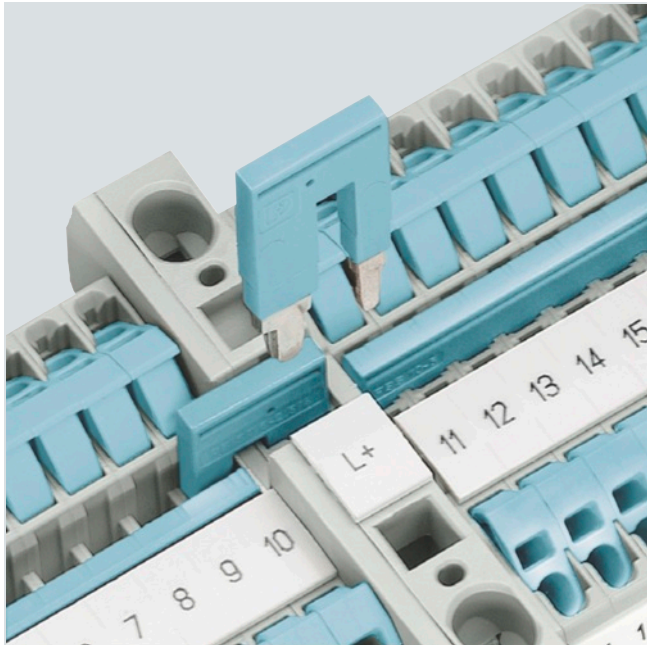


Conductors from 0.25 to 2.5 mm² are connected by the insulation displacement contact. High-grade special alloys and latching of the switch states ensure reliable electrical connections at all times. Large, spring-loaded contact points guarantee a current load rating of 24 A.



Time savings of 60 % and more compared to other connection systems.

With the high-speed insulation displacement terminal system, there is no need to strip the insulation or protect the splice. Just cut the cables to length and they can be contacted in seconds.

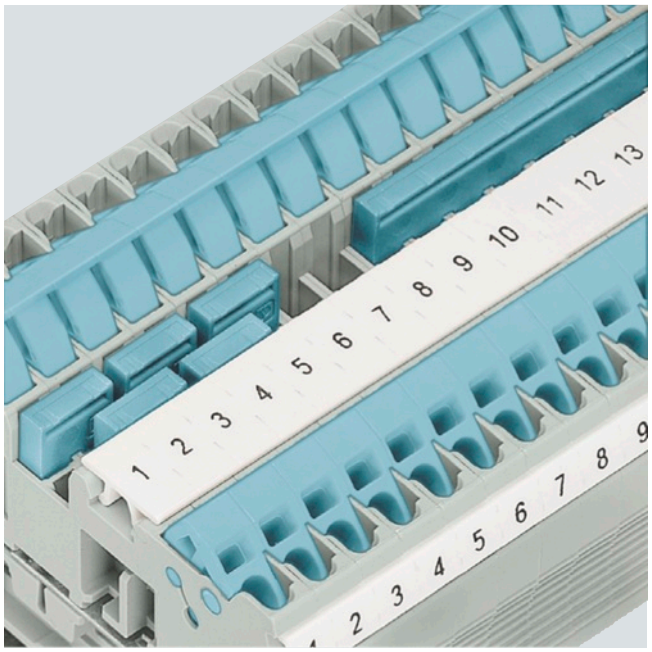



When feeding in large cross-sections, the reducing comb enables time and cost-saving distribution of the potential. The reducing comb can be used to connect a 10 mm² spring-loaded through-type terminal with an insulation displacement through-type terminal for terminal size 1.5 mm² and two clamping points or an insulation displacement through-type terminal for terminal size 2.5 mm² and two clamping points.

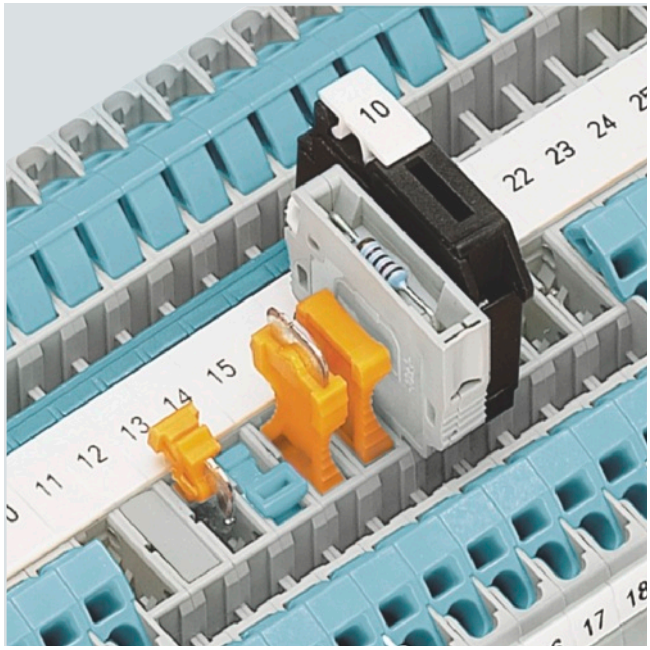
© Siemens AG 2010



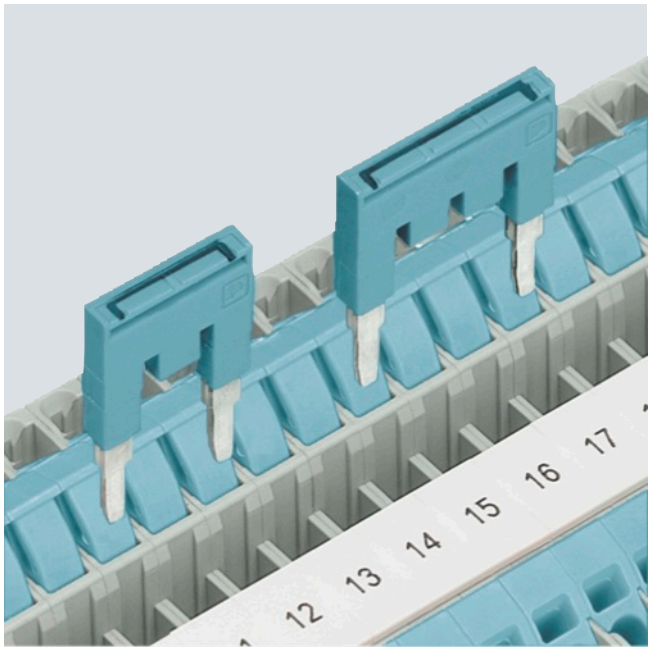
## Introduction



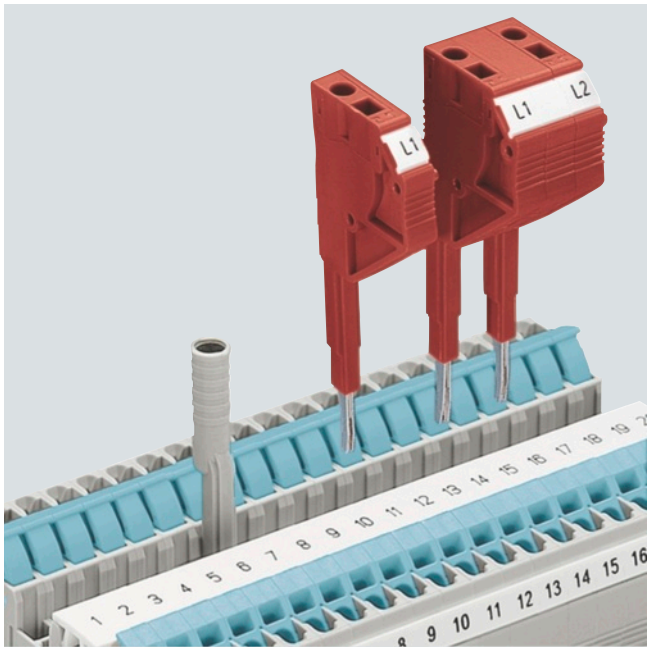

The standardized connecting comb system allows several terminals to be linked efficiently and quickly with a single jumper. The range covers 2- to 50-pole connecting combs, which considerably reduces the amount of wiring work.




The universal plug-in zones of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.




Teeth can be removed from the standard comb in order to skip individual terminals, so that two potentials can run in parallel. A marking option is available on the top of the connecting comb.



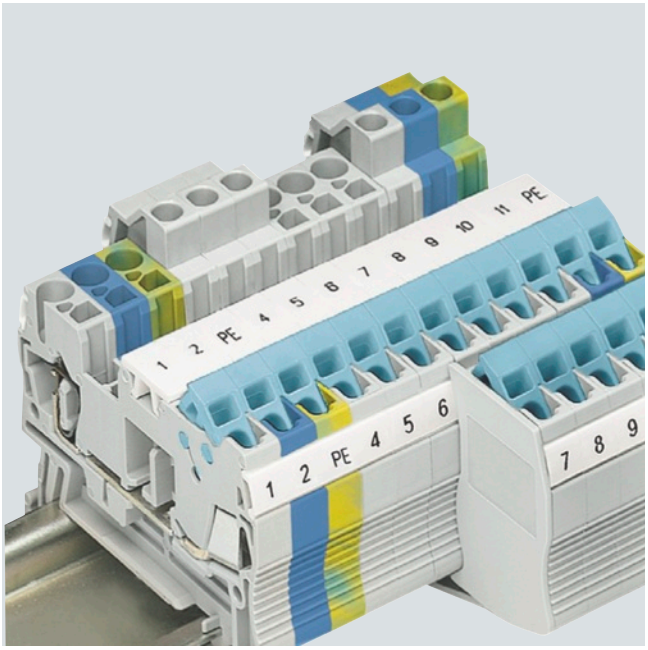

Test adapters are available for Ø 4 mm test and safety test plugs. Test adapters can be individually assembled, thanks to the modular design of the test plugs. Test leads can be connected with a 1.5 mm² spring-loaded / insulation displacement terminal.

© Siemens AG 2010

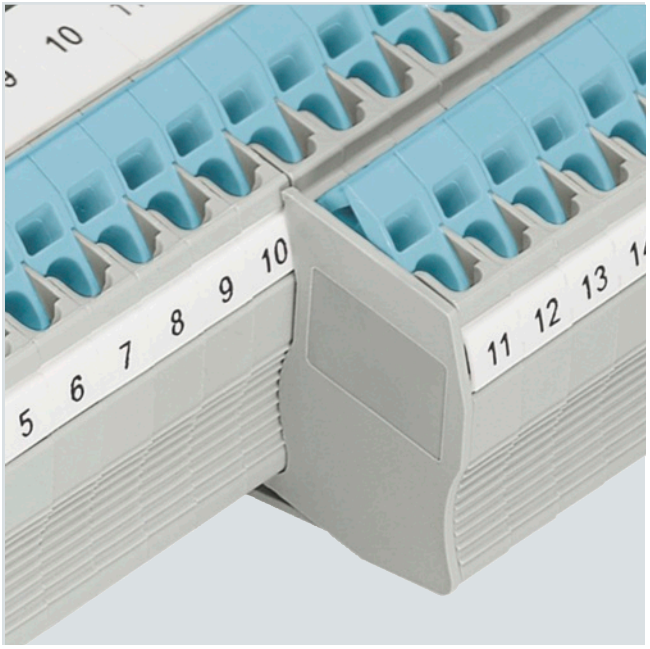





The unambiguous and easy-to-read marking in the center of the terminal is essential for time-saving installation. In addition to the large inscription in the center, each clamping point can be separately labeled.




The hybrid versions combine the time-saving insulation displacement terminal system with the advantages of a screw or spring-loaded terminal.



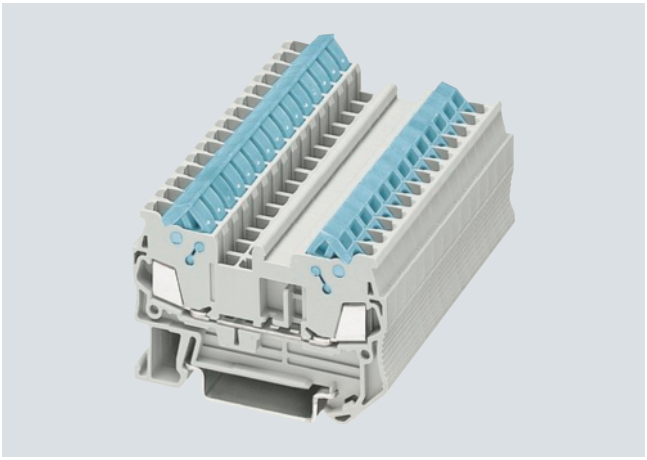

The cover segment is used to cover multi-wire terminals when mounting two-wire terminals side-by-side. These devices meet all fingerproof requirements.

© Siemens AG 2010



## 8WH through-type terminals

### Overview



A key feature of the insulation displacement through-type terminals is their compact design. With its clear and space-saving front connection arrangement, this insulation displacement series provides additional space between the cable ducts for wiring. The double bridge slot enables not only individual chain bridging but also reduction bridging, e.g. between the spring-loaded through-type terminals with terminal size 2.5 mm² and spring-loaded through-type terminals with terminal size 35 mm². Used in this way, reducing combs enable the quick and easy assembly of potential incoming feeders and distributors.

### Technical specifications

| | 8WH3 000-0AE00<br>8WH3 000-0AE01 | 8WH3 003-0AE00<br>8WH3 003-0AE01 | 8WH3 004-0AE00<br>8WH3 004-0AE01 | 8WH3 000-0CE07 | 8WH3 003-0CE07 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 58.8 / 2.2 | 5.2 / 76.4 / 2.2 | 5.2 / 94 / 2.2 | 5.2 / 58.8 / 2.2 | 5.2 / 76.4 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | 17.5 / 1.5 | | | -- | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | | | |
| • Finely stranded / very finely stranded | | | | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | | | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | | | | |
| Number of circuits | | | | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | | | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | 600 / 10 / 24-16 | | | -- / -- / 24-16 | |
| - CSA: in V/A / AWG | -- | | | | |
| Support rails/protective conductor busbars | -- | | | See section *Support rails* | |

| | 8WH3 004-0CE07 | 8WH3 000-0AF00<br>8WH3 000-0AF01 | 8WH3 003-0AF00<br>8WH3 003-AF01 | 8WH3 000-0CF07 | 8WH3 003-0CF07 |
|---|---|---|---|---|---|
| Dimensions | | | | | |
| • Width / length / width of cover in mm | 5.2 / 94 / 2.2 | 6.2 / 62.6 / 2.2 | 6.2 / 82.5 / 2.2 | 6.2 / 62.6 / 2.2 | 6.2 / 82.5 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | | 42.8 / 50.3 | 39.3 / 46.8 | 42.8 / 50.3 |
| Technical specifications acc. to IEC/DIN VDE | | | | | |
| • Max. load current in A / cross-section in mm² | -- | 24 / 2.5 | | -- | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | | |
| • Overvoltage category / insulating group | III / I | | | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | 0.5 ... 1.5 / 1.5 ... 2.5 | | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | 0.5 ... 1.5 / 1.5 ... 2.5 | | | |
| • Finely stranded / very finely stranded | | | | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | -- | | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | 20-14 | | | |
| Number of circuits | | | | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | 0.5 ... 2.5 | | | |
| Insulation type | PA | | | | |
| • Flammability class acc. to UL 94 | V0 | | | | |
| Approval data (UL/CUL and CSA) | | | | | |
| • Rated voltage / current / cable sizes | | | | | |
| - UL/CUL: in V/A / AWG | -- / -- / 24-16 | Applied for | | | |
| - CSA: in V/A / AWG | -- | Applied for | | | |
| Support rails/protective conductor busbars | See section *Support rails* | -- | | See section *Support rails* | |

© Siemens AG 2010



## Selection and ordering data


8WH3 000-0AE00


8WH3 003-0AE00


8WH3 004-0AE00

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Terminal size 1.5 mm²** | | | | | | |
| **Through-type terminals, terminal size 1.5 mm²**<br>• Terminal width 5.2 mm<br>• Supply data<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5 mm²<br>- AWG 24-16<br>- *I* = 17.5 A<br>- *U* = 800 V<br>• EN 50019<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5 mm²<br>- AWG 24-16<br>- *I* = 16 A<br>- *U* = 550 V<br>• More information under *Technical specifications* | | | | | | |
| Versions | | | | | | |
| • Gray | | | | | | |
| - Two clamping points | C | **8WH3 000-0AE00** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH3 003-0AE00** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH3 004-0AE00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Two clamping points | C | **8WH3 000-0AE01** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH3 003-0AE01** | | 1 | 50 | 044 |
| - Four clamping points | C | **8WH3 004-0AE01** | | 1 | 50 | 044 |
| Note | | | | | | |
| On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current. | | | | | | |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0LA00** | | 100 | 50 | 044 |
| • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/10 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| • *Covers, for terminal size 1.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 001-1AA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 001-2AA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 15/10 | C | **8WH9 001-4AA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 mm² and three clamping points or four clamping points* | *Accessories* | 15/10 | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |

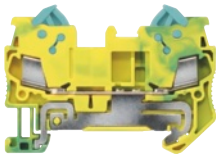
15

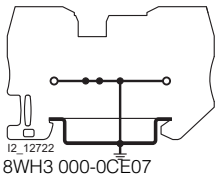
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



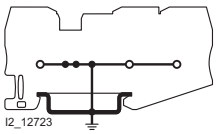
## 8WH through-type terminals


8WH3 000-0CE07

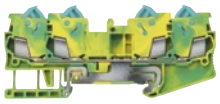


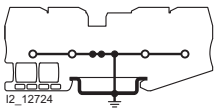
8WH3 000-0CE07


8WH3 003-0CE07



8WH3 003-0CE07


8WH3 004-0CE07



8WH3 004-0CE07

**Through-type PE terminals, terminal size 1.5 mm²**
- Green-yellow
- Terminal width 5.2 mm
- Supply data
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
- EN 50019
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
- More information under *Technical specifications*

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Versions** | | | | | | | | |
| • Two clamping points | | | C | **8WH3 000-0CE07** | | 1 | 50 | 044 |
| • Three clamping points | | | C | **8WH3 003-0CE07** | | 1 | 50 | 044 |
| • Four clamping points | | | C | **8WH3 004-0CE07** | | 1 | 50 | 044 |
| **Accessories** | **Section** | **Page** | | | | | | |
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0LA00** | | 100 | 50 | 044 |
| • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/10 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| • *Covers, for terminal size 1.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 001-1AA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 001-2AA00** | | 100 | 50 | 044 |
| - *Four clamping points* | *Accessories* | 15/10 | C | **8WH9 001-4AA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 mm² and three clamping points or four clamping points* | *Accessories* | 15/10 | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |

15

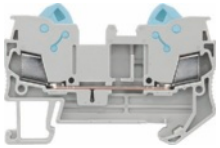


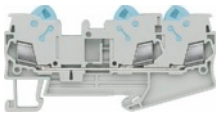
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Terminal size 2.5 mm²


8WH3 000-0AF00


8WH3 003-0AF00

**Through-type terminals, terminal size 2.5 mm²**
- Terminal width 6.2 mm
- Supply data
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14
  - *I* = 24 A
  - *U* = 800 V

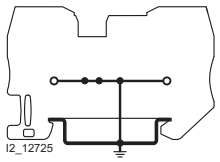
| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Versions** | | | | | | |
| • Gray | | | | | | |
| - Two clamping points | C | **8WH3 000-0AF00** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH3 003-0AF00** | | 1 | 50 | 044 |
| • Blue | | | | | | |
| - Two clamping points | C | **8WH3 000-0AF01** | | 1 | 50 | 044 |
| - Three clamping points | C | **8WH3 003-0AF01** | | 1 | 50 | 044 |

**Note**

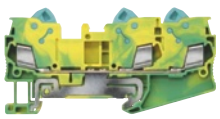
On terminals with three clamping points, the total current through all connected conductors must not exceed the max. load current.

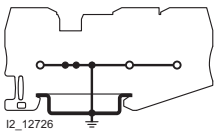
| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Lateral mounting test plugs, for terminal size 6.2 mm²* | *Accessories* | 15/10 | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 000-1AA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 000-2AA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and three clamping points or four clamping points* | *Accessories* | 15/10 | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |


8WH3 000-0CF07



8WH3 000-0CF07


8WH3 003-0CF07



8WH3 003-0CF07

**Through-type PE terminals, terminal size 2.5 mm²**
- Green-yellow
- Terminal width 6.2 mm
- Supply data
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Two clamping points | C | **8WH3 000-0CF07** | | 1 | 50 | 044 |
| • Three clamping points | C | **8WH3 003-0CF07** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Lateral mounting test plugs, for terminal size 6.2 mm²* | *Accessories* | 15/10 | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| • *Covers, for terminal size 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/10 | C | **8WH9 000-1AA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/10 | C | **8WH9 000-2AA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and three clamping points or four clamping points* | *Accessories* | 15/10 | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |

15

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH through-type terminals

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Accessories** | | | | | | | |
|  8WH9 070-0JA00 | **Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²**<br>• For visual and electrical separation of terminal groups<br>• 2 mm thick | | | | | | |
| | Versions | | | | | | |
| | • Two clamping points | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| | • Three clamping points | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| | **Compartment partitions, for terminal size 1.5 mm² and four clamping points** | C | **8WH9 070-0LA00** | | 100 | 50 | 044 |
| | **Lateral mounting test plugs** | | | | | | |
| | Versions | | | | | | |
| | • For terminal width 5.2 mm | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
|  8WH9 001-1AA00 | **Covers, for terminal size 1.5 mm²**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • Two clamping points | C | **8WH9 001-1AA00** | | 100 | 50 | 044 |
| | • Three clamping points | C | **8WH9 001-2AA00** | | 100 | 50 | 044 |
| | • Four clamping points | C | **8WH9 001-4AA00** | | 100 | 50 | 044 |
|  8WH9 000-1AA00 | **Covers, for terminal size 2.5 mm²**<br>Gray | | | | | | |
| | Versions | | | | | | |
| | • Two clamping points | C | **8WH9 000-1AA00** | | 100 | 50 | 044 |
| | • Three clamping points | C | **8WH9 000-2AA00** | | 100 | 50 | 044 |
| | **Cover segments, for three clamping points or four clamping points**<br>• Gray<br>• For covering multi-wire terminals when mounting two-wire terminals side-by-side | | | | | | |
| | Versions | | | | | | |
| | • For terminal size 1.5 mm² | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |

15

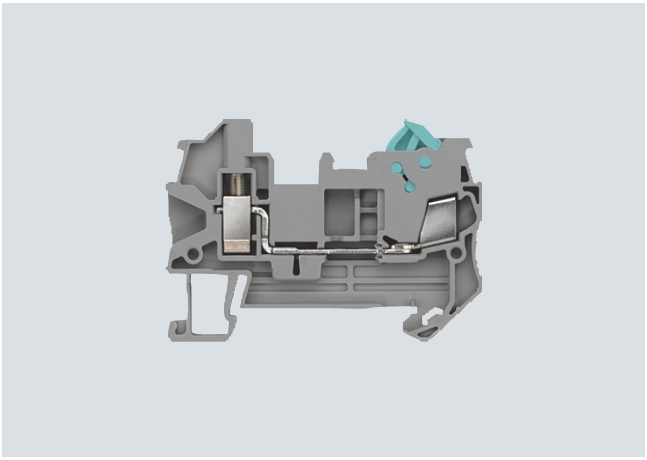


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview



The advantages of the various connection systems are combined in the hybrid versions. The time-saving insulation displacement terminal, for example, is used in control cabinets, while the screw terminal is used for wiring to the end user.

PE terminals are also available with the same contour as the through-type terminals.

## Technical specifications

| | 8WH3 100-2DE00<br>8WH3 100-2DE01 | 8WH3 120-2FE00<br>8WH3 120-2FE01 | 8WH3 103-2DE00<br>8WH3 103-2DE01 |
|---|---|---|---|
| Dimensions<br>• Width / length / width of cover in mm<br>• Height (TS 35/7.5 / TS 35/15) in mm | <br>5.2 / 58.8 / 2.2<br>42.8 / 50.3 | <br>5.2 / 93.5 / 22<br>55.5 / 63 | <br>5.2 / 76.4 / 2.2<br>42.8 / 50.3 |
| Technical specifications acc. to IEC/DIN VDE<br>• Max. load current in A / cross-section in $mm^2$<br>• Rated impulse withstand voltage in kV / pollution degree<br>• Overvoltage category / insulating group | <br>17.5 / 1.5<br>8 / 3<br>III / I | | |
| Conductor cross-section acc. to DIN VDE 0295<br>• Core insulation<br>• Solid/finely stranded H05V-U/R/K / H07V-U/R/K in $mm^2$<br>• Halogen-free H05Z-U/R/K / H07Z-U/R/K in $mm^2$<br>• Finely stranded / very finely stranded<br>- (Strand ∅ ≥ 0.1 mm) in $mm^2$<br>- (Strand ∅ ≥ 0.19 mm) AWG | <br>PVC / PE (other insulation types on request)<br>0.5 ... 1.0 / 1.5<br>0.5 ... 1.0 / 1.5<br><br>0.25 ... 0.34<br>24-16 | | |
| Number of circuits<br>• At least 100-times the same cross-section in $mm^2$ | <br>0.25 ... 1.5 | | |
| Connection capacities<br>• Flexible with end sleeve without/with plastic sleeve in $mm^2$ | Screw terminals<br>0.25 ... 2.5 / 0.25 ... 2.5 | | |
| Multi-conductor connection (two conductors of same cross-section)<br>• Rigid / flexible<br>• Flexible with end sleeve without plastic sleeve in $mm^2$<br>• Flexible with TWIN end sleeve with plastic sleeve in $mm^2$ | <br>0.14 ... 1.5 / 0.14 ... 1.5<br>0.25 ... 1.5<br>0.5 ... 1.5 | | |
| Stripped length | 9 | | |
| Plug gage (IEC 60 947-1) | A3 | | |
| Screw thread | M 3 | | |
| Tightening torque in Nm | 0.6 ... 0.8 | | |
| Insulation type<br>• Flammability class acc. to UL 94 | PA<br>V0 | | |
| Approval data (UL/CUL and CSA)<br>• Rated voltage / current / cable sizes<br>- UL/CUL: in V/A / AWG<br>- CSA: in V/A / AWG | <br><br>Applied for<br>Applied for | | |

© Siemens AG 2010



## 8WH hybrid through-type terminals

| | 8WH3 100-2GE00<br>8WH3 100-2GE01 | 8WH3 120-2JE00<br>8WH3 120-2JE01 | 8WH3 103-2HE00<br>8WH3 103-2HE01 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 5.2 / 54.4 / 2.2 | 5.2 / 88.2 / 2.2 | 5.2 / 71.6 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | 49.9 / 57.4 | 39.3 / 46.8 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | 17.5 / 1.5 | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | 6 / 3 | 8 / 3 |
| • Overvoltage category / insulating group | III / I | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Finely stranded / very finely stranded | | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | | |
| Number of circuits | | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | | |
| Connection capacities | Spring-loaded terminals | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 | | |
| Stripped length | 10 | | |
| Plug gage (IEC 60 947-1) | A3 | | |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: in V/A / AWG | Applied for | | |
| - CSA: in V/A / AWG | Applied for | | |

| | 8WH3 100-3DE07 | 8WH3 120-3FE07 | 8WH3 103-3DE07 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 5.2 / 58.8 / 2.2 | 5.2 / 93.5 / 2.2 | 5.2 / 76.4 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 42.8 / 50.3 | 55.5 / 63 | 42.8 / 50.3 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | 6 / 3 | 8 / 3 |
| • Overvoltage category / insulating group | III / I | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Finely stranded / very finely stranded | | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | | |
| Number of circuits | | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | | |
| Connection capacities | Screw terminals | | |
| • Flexible with end sleeve without/with plastic sleeve in mm² | 0.25 ... 2.5 / 0.25 ... 2.5 | | |
| Multi-conductor connection (two conductors of same cross-section) | | | |
| • Rigid / flexible | 0.14 ... 1.5 / 0.14 ... 1.5 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 1.5 | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 ... 1.5 | | |
| Stripped length | 9 | | |
| Plug gage (IEC 60 947-1) | A3 | | |
| Screw thread | M 3 | | |
| Tightening torque in Nm | 0.6 ... 0.8 | | |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: in V/A / AWG | Applied for | | |
| - CSA: in V/A / AWG | Applied for | | |
| Support rails/protective conductor busbars | See section *Support rails* | | |

© Siemens AG 2010



| | 8WH3 100-3GE07 | 8WH3 120-3JE07 | 8WH3 103-3HE07 |
|---|---|---|---|
| Dimensions | | | |
| • Width / length / width of cover in mm | 5.2 / 54.4 / 2.2 | 5.2 / 88.2 / 2.2 | 5.2 / 71.6 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | 49.9 / 57.4 | 39.3 / 46.8 |
| Technical specifications acc. to IEC/DIN VDE | | | |
| • Max. load current in A / cross-section in mm² | -- | | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | 6 / 3 | 8 / 3 |
| • Overvoltage category / insulating group | III / I | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | | |
| • Finely stranded / very finely stranded | | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | | |
| Number of circuits | | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | | |
| Connection capacities | Spring-loaded terminals | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 2.5 | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 | | |
| Stripped length | 10 | | |
| Plug gage (IEC 60 947-1) | A3 | | |
| Insulation type | PA | | |
| • Flammability class acc. to UL 94 | V0 | | |
| Approval data (UL/CUL and CSA) | | | |
| • Rated voltage / current / cable sizes | | | |
| - UL/CUL: in V/A / AWG | Applied for | | |
| - CSA: in V/A / AWG | Applied for | | |
| Support rails/protective conductor busbars | See section *Support rails* | | |

| | 8WH3 100-2DF00<br>8WH3 100-2DF01 | 8WH3 103-2DF00<br>8WH3 103-2DF01 | 8WH3 100-3DF07 | 8WH3 103-3DF07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 6.2 / 62.6 / 2.2 | 6.2 / 82.5 / 2.2 | 6.2 / 62.6 / 2.2 | 6.2 / 82.5 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 42.8 / 50.3 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | 24 / 2.5 | | -- | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 | | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 | | | |
| • Finely stranded / very finely stranded | | | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 20-14 | | | |
| Number of circuits | | | | |
| • At least 100-times the same cross-section in mm² | 0.5 ... 2.5 | | | |
| Connection capacities | Screw terminals | | | |
| • Flexible with end sleeve without/with plastic sleeve in mm² | 0.25 ... 4 / 0.25 ... 4 | | | |
| Multi-conductor connection (two conductors of same cross-section) | | | | |
| • Rigid/flexible in mm² | 0.14 ... 1.5 / 0.14 ... 1.5 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 1.5 | | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 ... 2.5 | | | |
| Stripped length | -- | | | |
| Plug gage (IEC 60 947-1) | A4 | | | |
| Screw thread | M 3 | | | |
| Tightening torque in Nm | 0.6 ... 0.8 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | Applied for | | | |
| - CSA: in V/A / AWG | Applied for | | | |
| Support rails/protective conductor busbars | -- | | See section *Support rails* | |

© Siemens AG 2010



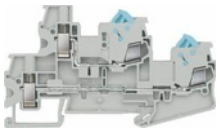
## 8WH hybrid through-type terminals

| | 8WH3 100-2GF00<br>8WH3 100-2GF01 | 8WH3 103-2HF00<br>8WH3 103-2HF01 | 8WH3 100-3GF07 | 8WH3 103-3HF07 |
|---|---|---|---|---|
| Dimensions | | | | |
| • Width / length / width of cover in mm | 6.2 / 59.7 / 2.2 | 6.2 / 71.6 / 2.2 | 6.2 / 59.7 / 2.2 | 6.2 / 71.6 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | | | |
| Technical specifications acc. to IEC/DIN VDE | | | | |
| • Max. load current in A / cross-section in mm² | 24 / 2.5 | | -- | |
| • Rated impulse withstand voltage in kV / pollution degree | 8 / 3 | | | |
| • Overvoltage category / insulating group | III / I | | | |
| Conductor cross-section acc. to DIN VDE 0295 | | | | |
| • Core insulation | PVC / PE (other insulation types on request) | | | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 | | | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 | | | |
| • Finely stranded / very finely stranded | | | | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 20-14 | | | |
| Connection capacities | Spring-loaded terminals | | | |
| • Flexible with end sleeve with plastic sleeve in mm² | 0.25 ... 4 | | | |
| • Flexible with end sleeve without plastic sleeve in mm² | 0.25 ... 4 | | | |
| • Flexible with TWIN end sleeve with plastic sleeve in mm² | 0.5 ... 1 | | | |
| Stripped length | 10 | | | |
| Plug gage (IEC 60 947-1) | A4 | | | |
| Insulation type | PA | | | |
| • Flammability class acc. to UL 94 | V0 | | | |
| Approval data (UL/CUL and CSA) | | | | |
| • Rated voltage / current / cable sizes | | | | |
| - UL/CUL: in V/A / AWG | Applied for | | | |
| - CSA: in V/A / AWG | Applied for | | | |
| Support rails/protective conductor busbars | -- | | See section *Support rails* | |

## Selection and ordering data

### Terminal size 1.5 mm²


8WH3 100-2DE00


8WH3 120-2FE00

**Hybrid through-type terminals, terminal size 1.5 mm², screw / insulation displacement terminals**
- Terminal width 5.2 mm
- Screw terminal
  - Rigid, 0.14 ... 4 mm²
  - Flexible, 0.14 ... 2.5 mm²
  - AWG 26-12
  - *I* = 17.5 A
  - *U* = 800 V (500 V for two-tier version)
- Insulation displacement terminal
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
  - *I* = 17.5 A
  - *U* = 800 V (500 V for two-tier version)
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Gray | 1× screw,<br>1× insulation displacement terminal | C | **8WH3 100-2DE00** | | 1 | 50 | 044 |
| • Blue | 1× screw,<br>1× insulation displacement terminal | C | **8WH3 100-2DE01** | | 1 | 50 | 044 |
| • Gray, two-tier, 2-pole | 2× screw,<br>2× insulation displacement terminal | C | **8WH3 120-2FE00** | | 1 | 50 | 044 |
| • Blue, two-tier, 2-pole | 2× screw,<br>2× insulation displacement terminal | C | **8WH3 120-2FE01** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/21 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and two clamping points* | | | | | | | | |
| - *Screw/insulation displacement terminals* | *Accessories* | 15/21 | C | **8WH9 001-1DA00** | | 100 | 50 | 044 |
| - *Screw/insulation displacement terminal and two-tier* | *Accessories* | 15/22 | C | **8WH9 001-1EA00** | | 100 | 50 | 044 |

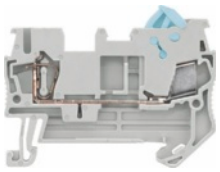
15

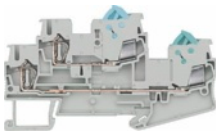


* You can order this quantity or a multiple thereof.

© Siemens AG 2010




8WH3 100-2GE00


8WH3 120-2JE00

**Hybrid through-type terminals, terminal size 1.5 mm², spring-loaded / insulation displacement terminals**
- Terminal width 5.2 mm
- Spring-loaded terminal
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - *I* = 17.5 A
  - *U* = 800 V (500 V for two-tier version)
- Insulation displacement terminal
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
  - *I* = 17.5 A
  - *U* = 800 V (500 V for two-tier version)
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Gray | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-2GE00** | | 1 | 50 | 044 |
| • Blue | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-2GE01** | | 1 | 50 | 044 |
| • Gray, two-tier, 2-pole | 2× spring-loaded, 2× insulation displacement terminal | C | **8WH3 120-2JE00** | | 1 | 50 | 044 |
| • Blue, two-tier, 2-pole | 2× spring-loaded, 2× insulation displacement terminal | C | **8WH3 120-2JE01** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ...2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/21 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and two clamping points* | | | | | | | | |
| - *Screw/insulation displacement terminals* | *Accessories* | 15/21 | C | **8WH9 001-1DA00** | | 100 | 50 | 044 |
| - *Screw/insulation displacement terminal and two-tier* | *Accessories* | 15/22 | C | **8WH9 001-1EA00** | | 100 | 50 | 044 |


8WH3 103-2DE00

**Hybrid through-type terminals, terminal size 1.5 mm², three clamping points, screw / insulation displacement terminals**
- Terminal width 5.2 mm
- 1× screw terminal
  - Rigid, 0.14 ... 4 mm²
  - Flexible, 0.14 ... 2.5 mm²
  - AWG 26-12
  - *I* = 17.5 A
  - *U* = 800 V
- 2× insulation displacement terminals
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
  - *I* = 17.5 A
  - *U* = 800 V
- More information under *Technical specifications*

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Gray | C | **8WH3 103-2DE00** | | 1 | 50 | 044 |
| • Blue | C | **8WH3 103-2DE01** | | 1 | 50 | 044 |

Note

On the insulation displacement terminals, the total current through all connected conductors must not exceed the max. load current.

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and three clamping points and screw / insulation displacement terminals* | *Accessories* | 15/21 | C | **8WH9 001-2DA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |

15

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH hybrid through-type terminals



8WH3 103-2HE00

**Hybrid through-type terminals, terminal size 1.5 mm², three clamping points, spring-loaded / insulation displacement terminals**

- Terminal width 5.2 mm
- 1× spring-loaded terminal
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
  - *I* = 17.5 A
  - *U* = 500 V
- 2× insulation displacement terminals
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
  - *I* = 17.5 A
  - *U* = 500 V
- More information under *Technical specifications*

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Versions** | | | | | | |
| • Gray | C | **8WH3 103-2HE00** | | 1 | 50 | 044 |
| • Blue | C | **8WH3 103-2HE01** | | 1 | 50 | 044 |

**Note**

On the insulation displacement terminals, the total current through all connected conductors must not exceed the max. load current.

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and three clamping points and spring-loaded / insulation displacement terminals* | *Accessories* | 15/22 | C | **8WH9 001-2CA00** | | 100 | 50 | 044 |

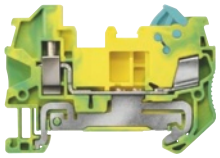


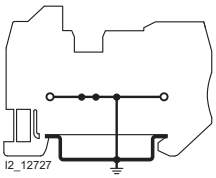


* You can order this quantity or a multiple thereof.

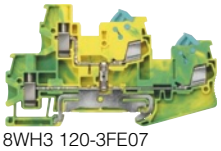
© Siemens AG 2010

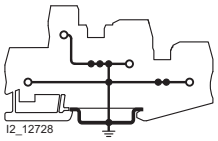



8WH3 100-3DE07

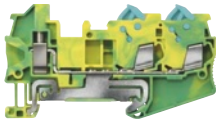


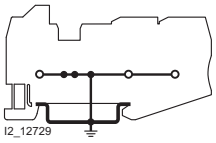
8WH3 100-3DE07


8WH3 120-3FE07



8WH3 120-3FE07


8WH3 103-3DE07



8WH3 103-3DE07

| Version | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| **Hybrid through-type PE terminals, terminal size 1.5 mm², screw / insulation displacement terminals**<br>• Green-yellow<br>• Terminal width 5.2 mm<br>• Screw terminal<br>- Rigid, 0.14 ... 4 mm²<br>- Flexible, 0.14 ... 2.5 mm²<br>- AWG 26-12<br>• Insulation displacement terminal<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5 mm²<br>- AWG 24-16<br>• More information under *Technical specifications* | | | | | | | |
| • Two clamping points | 1× screw, 1× insulation displacement terminal | C | **8WH3 100-3DE07** | | 1 | 50 | 044 |
| • Two clamping points, two-tier, 2-pole | 2× screw, 2× insulation displacement terminal | C | **8WH3 120-3FE07** | | 1 | 50 | 044 |
| • Three clamping points | 1× screw, 2× insulation displacement terminals | C | **8WH3 103-3DE07** | | 1 | 50 | 044 |

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ...2.5 mm²* | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/22 | C | **8WH9 070-0MA00** | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/22 | C | **8WH9 070-0KA00** | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and screw / insulation displacement terminals* | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 001-1DA00** | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/22 | C | **8WH9 001-1EA00** | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 001-2DA00** | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 001-0AA00** | 100 | 50 | 044 |

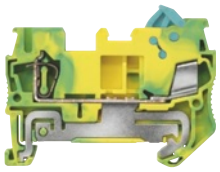
15

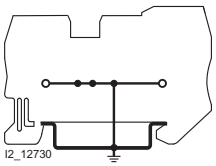
*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010

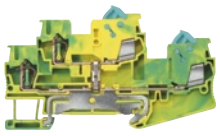


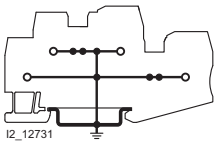
## 8WH hybrid through-type terminals


8WH3 100-3GE07



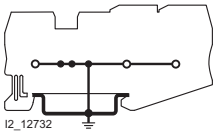
8WH3 100-3GE07


8WH3 120-3JE07



8WH3 120-3JE07


8WH3 103-3HE07



8WH3 103-3HE07

**Hybrid through-type PE terminals, terminal size 1.5 mm², spring-loaded / insulation displacement terminals**
- Green-yellow
- Terminal width 5.2 mm
- Spring-loaded terminal
  - Rigid, 0.08 ... 4 mm²
  - Flexible, 0.08 ... 2.5 mm²
  - AWG 28-12
- Insulation displacement terminal
  - Rigid, 0.25 ... 1.5 mm²
  - Flexible, 0.25 ... 1.5 mm²
  - AWG 24-16
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Two clamping points | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-3GE07** | | 1 | 50 | 044 |
| • Two clamping points, two-tier, 2-pole | 2× spring-loaded, 2× insulation displacement terminals | C | **8WH3 120-3JE07** | | 1 | 50 | 044 |
| • Three clamping points | 1× spring-loaded, 2× insulation displacement terminals | C | **8WH3 103-3HE07** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/21 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 1.5 mm² and screw / insulation displacement terminals* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 001-1DA00** | | 100 | 50 | 044 |
| - *Two clamping points and two tiers* | *Accessories* | 15/22 | C | **8WH9 001-1EA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 001-2DA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 1.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |



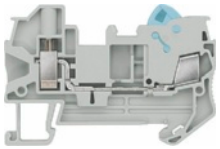


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Terminal size 2.5 mm²


8WH3 100-2DF00


8WH3 103-2DF00

**Hybrid through-type terminals, terminal size 2.5 mm², screw / insulation displacement terminals**
- Terminal width 6.2 mm
- Screw terminal
  - Rigid, 0.14 ... 6 mm²
  - Flexible, 0.14 ... 4 mm²
  - AWG 26-10
  - *I* = 24 A
  - *U* = 800 V
- Insulation displacement terminal
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14
  - *I* = 24 A
  - *U* = 800 V
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Gray | | | | | | | |
| - Two clamping points | 1× screw, 1× insulation displacement terminal | C | **8WH3 100-2DF00** | | 1 | 50 | 044 |
| - Three clamping points | 1× screw, 2× insulation displacement terminals | C | **8WH3 103-2DF00** | | 1 | 50 | 044 |
| • Blue | | | | | | | |
| - Two clamping points | 1× screw, 1× insulation displacement terminal | C | **8WH3 100-2DF01** | | 1 | 50 | 044 |
| - Three clamping points | 1× screw, 2× insulation displacement terminals | C | **8WH3 103-2DF01** | | 1 | 50 | 044 |

Note

On terminals with three clamping points, the total current through all connected conductors must not exceed the max. load current.

| Accessories | Section | Page | | | | | |
|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm² and screw / insulation displacement terminals* | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/22 | C | **8WH9 000-1DA00** | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/22 | C | **8WH9 000-2DA00** | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 000-0AA00** | 100 | 50 | 044 |

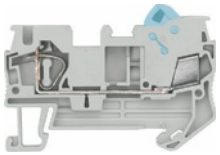


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH hybrid through-type terminals



8WH3 100-2GF00

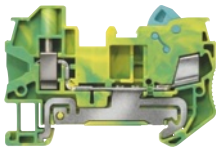
**Hybrid through-type terminals, terminal size 2.5 mm², spring-loaded / insulation displacement terminals**
- Terminal width 6.2 mm
- Spring-loaded terminal
  - Rigid 0.08- 6 mm²
  - Flexible, 0.08 ... 4 mm²
  - AWG 28-10
  - *I* = 24 A
  - *U* = 800 V
- Insulation displacement terminal
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14
  - *I* = 24 A
  - *U* = 800 V
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Gray | | | | | | | |
| - Two clamping points | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-2GF00** | | 1 | 50 | 044 |
| - Three clamping points | 1× spring-loaded, 2× insulation displacement terminals | C | **8WH3 103-2HF00** | | 1 | 50 | 044 |
| • Blue | | | | | | | |
| - Two clamping points | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-2GF01** | | 1 | 50 | 044 |
| - Three clamping points | 1× spring-loaded, 2× insulation displacement terminals | C | **8WH3 103-2HF01** | | 1 | 50 | 044 |

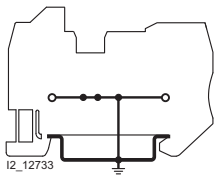
Note

On terminals with three clamping points, the total current through all connected conductors must not exceed the max. load current.

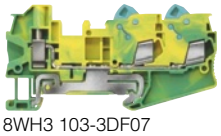
| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm² and spring-loaded / insulation displacement terminal* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/22 | C | **8WH9 000-1CA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/22 | C | **8WH9 000-2CA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |



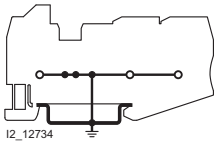
8WH3 100-3DF07




8WH3 100-3DF07



8WH3 103-3DF07




8WH3 103-3DF07

**Hybrid through-type PE terminals, terminal size 2.5 mm², screw / insulation displacement terminals**
- Green-yellow
- Terminal width 6.2 mm
- Screw terminal
  - Rigid 0.14- 6 mm²
  - Flexible, 0.14 ... 4 mm²
  - AWG 26-10
- Insulation displacement terminal
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Two clamping points | 1× screw, 1× insulation displacement terminal | C | **8WH3 100-3DF07** | | 1 | 50 | 044 |
| • Three clamping points | 1× screw, 2× insulation displacement terminals | C | **8WH3 103-3DF07** | | 1 | 50 | 044 |

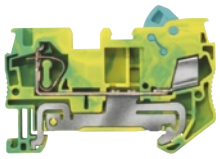
| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm² and screw / insulation displacement terminals* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/22 | C | **8WH9 000-1DA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/22 | C | **8WH9 000-2DA00** | | 100 | 50 | 044 |
| • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 15/22 | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |

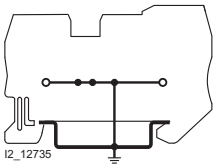
15

* You can order this quantity or a multiple thereof.

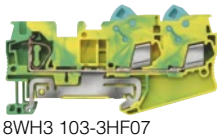
© Siemens AG 2010

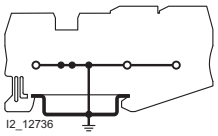



8WH3 100-3GF07



8WH3 100-3GF07


8WH3 103-3HF07



8WH3 103-3HF07

**Hybrid through-type PE terminals, terminal size 2.5 mm², spring-loaded / insulation displacement terminals**

- Green-yellow
- Terminal width 6.2 mm
- Spring-loaded terminal
  - Rigid 0.08- 6 mm²
  - Flexible, 0.08 ... 4 mm²
  - AWG 28-10
- Insulation displacement terminal
  - Rigid, 0.5 ... 2.5 mm²
  - Flexible, 0.5 ... 2.5 mm²
  - AWG 20-14
- More information under *Technical specifications*

| Type | Connections | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| • Two clamping points | 1× spring-loaded, 1× insulation displacement terminal | C | **8WH3 100-3GF07** | | 1 | 50 | 044 |
| • Three clamping points | 1× spring-loaded, 2× insulation displacement terminals | C | **8WH3 103-3HF07** | | 1 | 50 | 044 |

| Accessories | Section | Page | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/21 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| • *Covers, for terminal size 2.5 mm² and spring-loaded / insulation displacement terminals* | | | | | | | | |
| - *Two clamping points* | *Accessories* | 15/22 | C | **8WH9 000-1CA00** | | 100 | 50 | 044 |
| - *Three clamping points* | *Accessories* | 15/22 | C | **8WH9 000-2CA00** | | 100 | 50 | 044 |

## Accessories


8WH9 070-0JA00

**Compartment partitions, for terminal sizes 1.5 ... 2.5 mm²**

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Two clamping points | C | **8WH9 070-0JA00** | | 100 | 50 | 044 |
| • Two clamping points and two tiers | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| • Three clamping points | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |


8WH9 001-1DA00


8WH9 001-1CA00


8WH9 001-2DA00


8WH9 001-2CA00

**Covers, for terminal size 1.5 mm²**

| Versions | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| • Two clamping points | | | | | | |
| - Screw/insulation displacement terminals | C | **8WH9 001-1DA00** | | 100 | 50 | 044 |
| - Screw/insulation displacement terminal and two-tier | C | **8WH9 001-1EA00** | | 100 | 50 | 044 |
| - Spring-loaded/insulation displacement terminals | C | **8WH9 001-1CA00** | | 100 | 50 | 044 |
| - Spring-loaded/insulation displacement terminals and two-tier | C | **8WH9 001-1FA00** | | 100 | 50 | 044 |
| • Three clamping points | | | | | | |
| - Screw/insulation displacement terminals | C | **8WH9 001-2DA00** | | 100 | 50 | 044 |
| - Spring-loaded/insulation displacement terminals | C | **8WH9 001-2CA00** | | 100 | 50 | 044 |

15

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

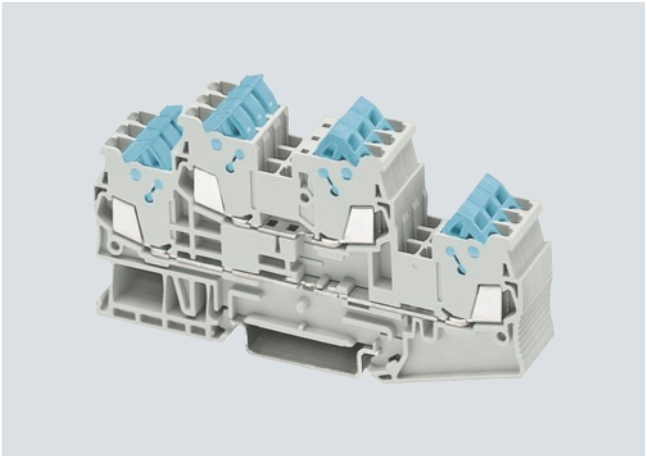


## 8WH hybrid through-type terminals

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Covers, for terminal size 2.5 mm²** | | | | | | |
| Versions | | | | | | |
| • Two clamping points | | | | | | |
| - Screw/insulation displacement terminals | C | **8WH9 000-1DA00** | | 100 | 50 | 044 |
| - Spring-loaded/insulation displacement terminals | C | **8WH9 000-1CA00** | | 100 | 50 | 044 |
| • Three clamping points | | | | | | |
| - Screw/insulation displacement terminals | C | **8WH9 000-2DA00** | | 100 | 50 | 044 |
| - Spring-loaded/insulation displacement terminals | C | **8WH9 000-2CA00** | | 100 | 50 | 044 |
| **Cover segments, for terminal size 1.5 mm² and three or four clamping points** | C | **8WH9 001-0AA00** | | 100 | 50 | 044 |

## 8WH two-tier terminals

### Overview



Key features of the insulation displacement two-tier terminals for terminal size 1.5 mm² are their compact design and double bridge slot per tier. This enables simultaneous bridging and testing.

With its clear and space-saving front connection arrangement, this two-tier terminal series provides additional space between the cable ducts for wiring.

The PE/ground conductor terminal of this series meets all the requirements of IEC 60947-7-2.

These include:

- Low contact resistance,
- Stainless clamping points and PE mounting foot
- Green-yellow enclosure and
- Additional inscription options

### Technical specifications

| | **8WH3 020-0AE00<br>8WH3 020-0AE01<br>8WH3 020-5AE00** | **8WH3 020-0CE07** |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 5.2 / 99.6 / 2.2 | |
| • Height (TS 35/7.5 / TS 35/15) in mm | 49.9 / 57.4 | |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A / cross-section in mm² | 17.5 / 1.5 | -- |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | |
| • Overvoltage category / insulating group | III / I | |
| Conductor cross-section acc. to DIN VDE 0295 | | |
| • Core insulation | PVC / PE (other insulation types on request) | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.4 ... 1.0 / 1.5 | |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | |
| • Finely stranded / very finely stranded | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | |
| Number of circuits | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 10 / 24-16 | -- / -- / 24-16 |
| - CSA: in V/A / AWG | -- | |
| Support rails/protective conductor busbars | -- | See section *Support rails* |

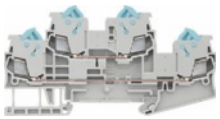
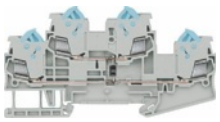
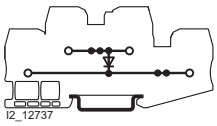
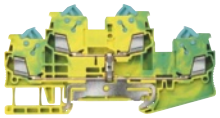
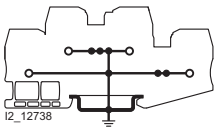


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 1.5 mm²** | | | | | | | | | |
|  8WH3 020-0AE00 | **Two-tier terminals, terminal size 1.5 mm²**<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5<br>- AWG 24-16<br>- *I* = 17.5 A<br>- *U* = 500 V<br>• EN 50019<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5<br>- AWG 24-16<br>- *I* = 15 A<br>- *U* = 420 V<br>• More information under *Technical specifications* | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH3 020-0AE00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH3 020-0AE01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/23 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 001-1BA00** | | 100 | 50 | 044 |
|  8WH3 020-5AE00 | **Two-tier terminals, terminal size 1.5 mm², with diode**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5<br>- AWG 24-16<br>- *I* = 17.5 A<br>- *U* = 500 V<br>• More information under *Technical specifications* | | | C | **8WH3 020-5AE00** | | 1 | 50 | 044 |
|  I2_12737 8WH3 020-5AE00 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/23 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 001-1BA00** | | 100 | 50 | 044 |
|  8WH3 020-0CE07 | **PE two-tier terminals, terminal size 1.5 mm²**<br>• Green-yellow<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5<br>- AWG 24-16<br>• EN 50019<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5<br>- AWG 24-16<br>• More information under *Technical specifications* | | | C | **8WH3 020-0CE07** | | 1 | 50 | 044 |
|  I2_12738 8WH3 020-0CE07 | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/23 | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 1.5 mm²* | *Accessories* | 15/23 | C | **8WH9 001-1BA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
|  8WH9 070-0MA00 | **Compartment partitions, for terminal size 1.5 mm²** | | | C | **8WH9 070-0MA00** | | 100 | 50 | 044 |
| | **Lateral mounting test plugs, for terminal width 5.2 mm** | | | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
|  8WH9 001-1BA00 | **Covers, for terminal size 1.5 mm²** | | | C | **8WH9 001-1BA00** | | 100 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH isolating blade terminals

### Overview



Through-type terminals with isolating capability are the most commonly used terminal types in instrumentation and control. The isolating and isolating blade terminals with insulation displacement terminals have a mounting width of 6.2 mm and a current load rating of 16 A. A special feature of both terminal types is the three bridge slots they offer: two in the same position as that of the insulation displacement and spring-loaded terminal series and an additional slot on the other side of the isolating point.

The isolating blade terminal for terminal size 2.5 mm² has an integrated blade; the isolating terminal for terminal size 2.5 mm² can accommodate through-type connectors, isolating plugs, component connectors and fused connectors.

The isolating blade is secured to the terminal so that it cannot be lost.

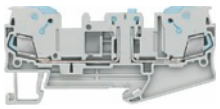
### Technical specifications

| | **8WH3 000-6CF00<br>8WH3 000-6CF01** |
|---|---|
| Dimensions | |
| • Width / length / width of cover in mm | 6.2 / 82.5 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 42.8 / 50.3 |
| Technical specifications acc. to IEC/DIN VDE | |
| • Max. load current in A / cross-section in mm² | 16 / 2.5 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 |
| • Overvoltage category / insulating group | III / I |
| Conductor cross-section acc. to DIN VDE 0295 | |
| • Core insulation | PVC / PE (other insulation types on request) |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 ... 2.5 |
| • Finely stranded / very finely stranded | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | -- |
| - (Strand ∅ ≥ 0.19 mm) AWG | 20-14 |
| Number of circuits | |
| • At least 100-times the same cross-section in mm² | 0.5 ... 2.5 |
| Insulation type | PA |
| • Flammability class acc. to UL 94 | V0 |
| Approval data (UL/CUL and CSA) | |
| • Rated voltage / current / cable sizes | |
| - UL/CUL: in V/A / AWG | Applied for |
| - CSA: in V/A / AWG | Applied for |

© Siemens AG 2010



## Selection and ordering data

| | Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|---|
| **Terminal size 2.5 mm²** | | | | | | | | | |
|  8WH3 000-6CF00 | **Isolating blade terminals, terminal size 2.5 mm²**<br>• Terminal width 6.2 mm<br>• Supply data<br>- Rigid, 0.5 ... 2.5 mm²<br>- Flexible, 0.5 ... 2.5 mm²<br>- AWG 20-14<br>- *I* = 16 A<br>- *U* = 400 V<br>• More information under *Technical specifications* | | | | | | | | |
| | Versions | | | | | | | | |
| | • Gray | | | C | **8WH3 000-6CF00** | | 1 | 50 | 044 |
| | • Blue | | | C | **8WH3 000-6CF01** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 15/25 | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal size 6.2 mm²* | *Accessories* | 15/25 | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| | • *Covers, for terminal size 2.5 mm² and three clamping points* | *Accessories* | 15/25 | C | **8WH9 000-2AA00** | | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 15/25 | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |
| **Accessories** | | | | | | | | | |
| | **Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points** | | | C | **8WH9 070-0KA00** | | 100 | 50 | 044 |
| | **Lateral mounting test plugs, for terminal size 6.2 mm²** | | | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | **Covers, for terminal size 2.5 mm² and three clamping points** | | | C | **8WH9 000-2AA00** | | 100 | 50 | 044 |
| | **Cover segments, for terminal size 2.5 mm² and three or four clamping points** | | | C | **8WH9 000-0AA00** | | 100 | 50 | 044 |



## Technical specifications

| | **8WH3 000-6AE00** | **8WH3 000-6AF00** |
|---|---|---|
| Dimensions | | |
| • Width / length / width of cover in mm | 5.2 / 76.4 / 2.2 | 6.2 / 82.5 / 2.2 |
| • Height (TS 35/7.5 / TS 35/15) in mm | 39.3 / 46.8 | 42.8 / 50.3 |
| Technical specifications acc. to IEC/DIN VDE | | |
| • Max. load current in A / cross-section in mm² | 16 / 1.5 | 16 / 2.5 |
| • Rated impulse withstand voltage in kV / pollution degree | 6 / 3 | |
| • Overvoltage category / insulating group | III / I | |
| Conductor cross-section acc. to DIN VDE 0295 | | |
| • Core insulation | PVC / PE (other insulation types on request) | |
| • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | 0.5 ... 1.0 / 1.5 ... 2.5 |
| • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² | 0.5 ... 1.0 / 1.5 | 0.5 ... 1.0 / 1.5 ... 2.5 |
| • Finely stranded / very finely stranded | | |
| - (Strand ∅ ≥ 0.1 mm) in mm² | 0.25 ... 0.34 | -- |
| - (Strand ∅ ≥ 0.19 mm) AWG | 24-16 | 20-14 |
| Number of circuits | | |
| • At least 100-times the same cross-section in mm² | 0.25 ... 1.5 | 0.5 ... 2.5 |
| Insulation type | PA | |
| • Flammability class acc. to UL 94 | V0 | |
| Approval data (UL/CUL and CSA) | | |
| • Rated voltage / current / cable sizes | | |
| - UL/CUL: in V/A / AWG | 600 / 10 / 24-16 | Applied for |
| - CSA: in V/A / AWG | 600 / 10 / 24-16 | Applied for |

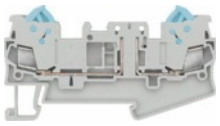
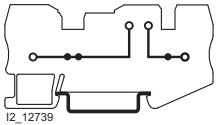
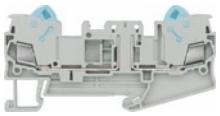
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## 8WH isolating terminals

### Selection and ordering data

| Version | | | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|---|
| **Terminal size 1.5 mm²** | | | | | | | | |
|  8WH3 000-6AE00 | **Isolating terminals, terminal size 1.5 mm²**<br>• Gray<br>• Terminal width 5.2 mm<br>• c UL us<br>• Supply data<br>- Rigid, 0.25 ... 1.5 mm²<br>- Flexible, 0.25 ... 1.5 mm²<br>- AWG 24-16<br>- *I* = 16 A<br>- *U* = 400 V<br>- Current and voltage are determined by the fitted plug<br>• More information under *Technical specifications* | | C | **8WH3 000-6AE00** | | 1 | 50 | 044 |
|  I2_12739 8WH3 000-6AE00 | | | | | | | | |
| | Accessories | Section | Page | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 15/26 | C | **8WH9 070-0KA00** | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 5.2 mm* | *Accessories* | 15/26 | C | **8WH9 010-0EB02** | 1 | 10 | 044 |
| | • *Covers, for terminal size 1.5 mm² and three clamping points* | *Accessories* | 15/26 | C | **8WH9 001-2AA00** | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 1.5 mm² and three or four clamping points* | *Accessories* | 15/26 | C | **8WH9 001-0AA00** | 100 | 50 | 044 |
| | • *Plug-in zone connectors* | | | | | | | |
| | - *Isolating plugs* | *Accessories* | 15/27 | C | **8WH9 040-0DB04** | 1 | 50 | 044 |
| | - *Through-type connectors* | *Accessories* | 15/27 | C | **8WH9 020-8AB00** | 1 | 50 | 044 |
| | - *Fused connectors, without LED display* | *Accessories* | 15/27 | C | **8WH9 040-3DB08** | 1 | 10 | 044 |
| | - *Component connectors* | *Accessories* | 15/27 | C | **8WH9 040-0BB00** | 1 | 10 | 044 |
| **Terminal size 2.5 mm²** | | | | | | | | |
|  8WH3 000-6AF00 | **Isolating terminals, terminal size 2.5 mm²**<br>• Gray<br>• Terminal width 6.2 mm<br>• Supply data<br>- Rigid, 0.5 ... 2.5 mm²<br>- Flexible, 0.5 ... 2.5 mm²<br>- AWG 20-14<br>- *I* = 16 A<br>- *U* = 400 V<br>- Current and voltage are determined by the fitted plug<br>• More information under *Technical specifications* | | C | **8WH3 000-6AF00** | | 1 | 50 | 044 |
| | Accessories | Section | Page | | | | | |
| | • *Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points* | *Accessories* | 15/26 | C | **8WH9 070-0KA00** | 100 | 50 | 044 |
| | • *Lateral mounting test plugs, for terminal width 6.2 mm* | *Accessories* | 15/26 | C | **8WH9 010-0FB02** | 1 | 10 | 044 |
| | • *Covers, for terminal size 2.5 mm² and three clamping points* | *Accessories* | 15/26 | C | **8WH9 000-2AA00** | 100 | 50 | 044 |
| | • *Cover segments, for terminal size 2.5 mm² and three or four clamping points* | *Accessories* | 15/26 | C | **8WH9 000-0AA00** | 100 | 50 | 044 |
| | • *Plug-in zone connectors* | | | | | | | |
| | - *Isolating plugs* | *Accessories* | 15/27 | C | **8WH9 040-0DB04** | 1 | 50 | 044 |
| | - *Through-type connectors* | *Accessories* | 15/27 | C | **8WH9 020-8AB00** | 1 | 50 | 044 |
| | - *Fused connectors, without LED display* | *Accessories* | 15/27 | C | **8WH9 040-3DB08** | 1 | 10 | 044 |
| | - *Component connectors* | *Accessories* | 15/27 | C | **8WH9 040-0BB00** | 1 | 10 | 044 |
| **Accessories** | | | | | | | | |
| | **Compartment partitions, for terminal sizes 1.5 ... 2.5 mm² and three clamping points** | | | C | **8WH9 070-0KA00** | 100 | 50 | 044 |
| | **Lateral mounting test plugs** | | | | | | | |
| | Versions | | | | | | | |
| | • For terminal width 5.2 mm | | | C | **8WH9 010-0EB02** | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | | | C | **8WH9 010-0FB02** | 1 | 10 | 044 |
| | **Covers** | | | | | | | |
| | Versions | | | | | | | |
| | • For terminal size 1.5 mm² and three clamping points | | | C | **8WH9 001-2AA00** | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² and three clamping points | | | C | **8WH9 000-2AA00** | 100 | 50 | 044 |
| | **Cover segments** | | | | | | | |
| | Versions | | | | | | | |
| | • For terminal size 1.5 mm² and three or four clamping points | | | C | **8WH9 001-0AA00** | 100 | 50 | 044 |
| | • For terminal size 2.5 mm² and three or four clamping points | | | C | **8WH9 000-0AA00** | 100 | 50 | 044 |

15



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Plug-in zone connectors** | | | | | | |
| | Versions | | | | | | |
|  8WH9 040-0DB04 | • Isolating plugs<br>- Orange | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
|  8WH9 020-8AB00 | • Through-type connectors<br>- Gray<br>- $I_{max}$: 16 A<br>- For terminal width 6.2 mm | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
|  8WH9 040-3DB08 | • Fused connectors, without LED display<br>- Black<br>- $I_{max}$: 6.3 A<br>Note<br>- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links. In this case, take the offset of the rated current into account. | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
|  8WH9 040-0BB00 | • Component connectors<br>- $I_{max}$: 6 A, depending on the power loss of the components, max. 1 W with single arrangement<br>- Facility for inscription with ZBF 5 | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |

15

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Support rails/protective conductor busbars

### Technical specifications

| Support rail type | | | | | | | Excerpt from IEC 60947-7-2/EN 60947-7-2/ VDE 0611 Part 3 | | |
|---|---|---|---|---|---|---|---|---|---|
| Width | Height | Thick-ness | Perforation type | Material | Surface | Rail profile | Short-circuit strength (Cu conductor) | Short-time withstand current, 1 s | Max. permissi-ble thermal rated current at PEN function |
| mm | mm | mm | | | | | mm²[1)] | kA | A |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [1)] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2)] |
| 35 | 7.5 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2)] |
| 35 | 7.5 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2)] |
| 35 | 7.5 | 1.5 | Non-perforated | V2A high-grade steel | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 16 | 1.92 | [2)] |
| 35 | 7.5 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 50 | 6.0 | 150 |
| 35 | 7.5 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5 | 35 | 4.2 | 125 |
| 35 | 15 | 2.3 | Non-perforated | Steel | Chromated | Standard mounting rail, acc. to EN 60715 – 35 x 15 | 50 | 6.0 | [2)] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2)] |
| 35 | 15 | 1.5 | Perforated | Steel | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2)] |
| 35 | 15 | 1.5 | Non-perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2)] |
| 35 | 15 | 1.5 | Perforated | Steel | Galvanized | Standard mounting rail, similar to EN 60715 – 35 x 15 | 35 | 4.2 | [2)] |
| 35 | 15 | 1.5 | Non-perforated | Copper | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 95 | 11.4 | 232 |
| 35 | 15 | 1.5 | Non-perforated | Aluminum | Chromated | Standard mounting rail, similar to EN 60715 – 35 x 15 | 70 | 8.4 | 192 |

[1)] Cross-sections calculated according to IEC 60439-1 / EN 60439-1 / EN 60439-1 / VDE 0660 Part 500.

[2)] Steel protective conductor busbars are not permissible for PEN function.

© Siemens AG 2010

# Accessories for Terminal Blocks

16




16/2 **Introduction**

**Accessories for 8WH Terminal Blocks**

16/3 ALPHA FIX PRINT printer labeling systems
16/4 Plotter labeling systems
16/4 Adapters for 8WA labeling plates
16/5 Standard labeling systems
16/10 Mounting accessories

**Accessories for 8WA Terminal Blocks**

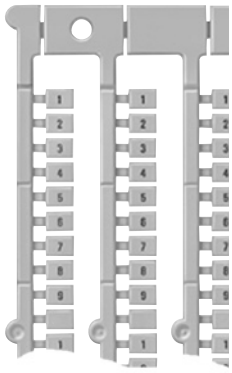
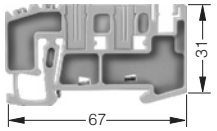
16/13 ALPHA FIX PRINT printer labeling systems
16/14 Plotter labeling systems
16/15 Standard labeling systems
16/17 Mounting accessories

© Siemens AG 2010



## Introduction

### Overview

| | Devices | Page | Function |
|---|---|---|---|
| **8WH accessories** | | | |
|  | ALPHA FIX PRINT printer labeling system | 16/3 | For printing 8WH labeling plates |
|  | Plotter labeling systems | 16/4 | For printing 8WH labeling plates |
| | Adapters for 8WA labeling plates | 16/4 | These enable 8WA labeling plates to be simply snapped onto 8WH terminal blocks |
|  | Standard labeling systems | 16/5 | 8WH labeling plates with standard printout |
|  | Mounting accessories | 16/10 | Accessories for 8WH terminal blocks |
| **8WA accessories** | | | |
|  | ALPHA FIX PRINT printer labeling system | 16/13 | For printing 8WA labeling plates |
|  | Plotter labeling systems | 16/14 | For printing 8WA labeling plates |
|  | Standard labeling systems | 16/15 | 8WA labeling plates with standard printout |
|  | Mounting accessories | 16/17 | Accessories for 8WA terminal blocks |

© Siemens AG 2010



## Overview

Using ALPHA FIX PRINT with LED technology, the inscription of plastic signs for the marking of terminals is as simple as normal printing.

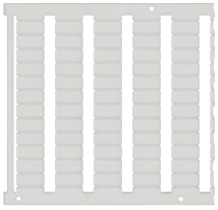
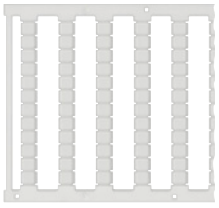
Cutting edge UV technology makes ALPHA FIX PRINT an environmentally friendly high-speed printer. Printing of up to 10 000 labeling plates per hour without the emission of solvents. The marking is instantly smudge-proof and can be used immediately.

The simple and time-saving operation is supported by the automatic material feed.

ALPHA FIX PRINT is network-capable over Ethernet and also supports wireless control using Bluetooth.

Simply connect, insert the standardized UniCard marker cards in the tray - and you're off!

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  <br>8WH9 060-6DA08 | **ALPHA FIX PRINT printers**<br>• 100 ... 240 V AC<br>• 480 mm × 540 mm × 335 mm | | **8WH9 060-6DA08** | | On request | | |
|  <br>8WH9 060-6BA08 | **Fluid cartridges for *ALPHA FIX PRINT printers***<br>Black | X | **8WH9 060-6BA08** | | 1 | 1 | 044 |
|  <br>8WH8 202-1AA05 | **Labeling plates, front, for labeling 8WH terminal blocks using the *ALPHA FIX PRINT printer*** | | | | | | |
| | Versions | | | | | | |
| | • 4.2 mm wide | C | **8WH8 202-1AA05** | | 100 | 1200 | 044 |
| | • 5.2 mm wide | C | **8WH8 202-2AA05** | | 100 | 960 | 044 |
| | • 6.2 mm wide | C | **8WH8 202-3AA05** | | 100 | 800 | 044 |
| | • 8.2 mm wide | C | **8WH8 202-4AA05** | | 100 | 560 | 044 |
| | • 10.2 mm wide | C | **8WH8 202-5AA05** | | 100 | 480 | 044 |
| | • 12.2 mm wide | C | **8WH8 202-6AA05** | | 100 | 400 | 044 |
| | • 16.2 mm wide | C | **8WH8 202-7AA05** | | 100 | 320 | 044 |
|  <br>8WH8 203-1AA05 | **Labeling plates, flat, for labeling 8WH terminal blocks using the *ALPHA FIX PRINT printer*** | | | | | | |
| | Versions | | | | | | |
| | • 4.2 mm wide | C | **8WH8 203-1AA05** | | 100 | 1200 | 044 |
| | • 5.2 mm wide | C | **8WH8 203-2AA05** | | 100 | 960 | 044 |
| | • 6.2 mm wide | C | **8WH8 203-3AA05** | | 100 | 800 | 044 |
| | • 8.2 mm wide | C | **8WH8 203-4AA05** | | 100 | 560 | 044 |
| | • 10.2 mm wide | C | **8WH8 203-5AA05** | | 100 | 480 | 044 |
| | • 12.2 mm wide | C | **8WH8 203-6AA05** | | 100 | 400 | 044 |
| | • 16.2 mm wide | C | **8WH8 203-7AA05** | | 100 | 320 | 044 |

16

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



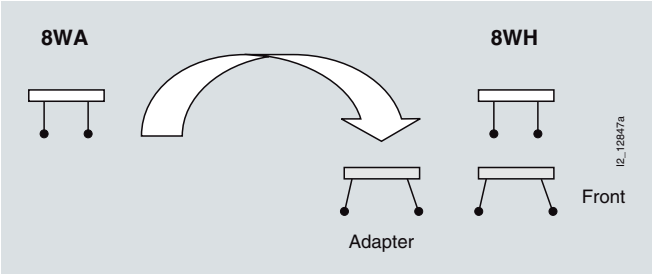
## Plotter labeling systems

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  | **Plotters**<br>For the individual inscription of labeling plates for terminal blocks | | Available from:<br>murrplastik<br>Systemtechnik GmbH<br>Fabrikstraße 10<br>D-71570 Oppenweiler<br>Tel. +49 (0) 7191 / 4 82 0<br>Fax +49 (0) 7191 / 4 82 28 0<br>E-Mail info@murrplastik.de | | | | |
| | **Labeling plates, for plotter inscription** | | | | | | |
| | Versions | | | | | | |
| | • Front | | | | | | |
| | - For terminal width 4.2 mm | C | **8WH8 112-1AA05** | | 100 | 1024 | 044 |
| | - For terminal widths 5.2 and 6.2 mm | C | **8WH8 112-2AA05** | | 100 | 1400 | 044 |
| | - For terminal widths 8.2, 10, 12 and 16 mm | C | **8WH8 112-4AA05** | | 100 | 1000 | 044 |
| | • Flat | | | | | | |
| | - For terminal widths 4.2, 5.2, 6.2, 8.2 and 10 mm | C | **8WH8 113-1AA05** | | 100 | 2000 | 044 |
| | - For terminal widths 12 and 16 mm | C | **8WH8 113-6AA05** | | 100 | 1080 | 044 |
| | Note | | | | | | |
| | The labeling plates can only be printed using the plotter, or they can be written by hand. | | | | | | |

## Adapters for 8WA labeling plates

### Design




Adapters for inscription of 8WA8 front labels

Using the 8WH9 060-4AA00 adapter, all 8WA8 labels can be snapped onto the 8WH terminal blocks (front).

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Adapters, for individual inscription of 8WA labeling plates**<br>5 × 20 units | C | **8WH9 060-4AA00** | | 100 | 100 | 044 |

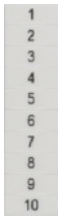
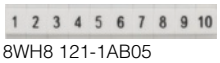
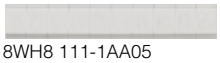


* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH8 120-1AB05 | **Labeling plates, front, for terminal width 4.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 120-1A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 120-1XA05** | | 100 | 100 | 044 |
|  8WH8 140-1AB05 | **Labeling plates, front, for terminal width 4.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 140-1A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | • Custom inscription | X | **8WH8 140-1XA05** | | 100 | 100 | 044 |
|  8WH8 110-1AA05 | **Labeling plates, front, for terminal width 4.2 mm, blank** | C | **8WH8 110-1AA05** | | 100 | 100 | 044 |
|  8WH8 121-1AB05 | **Labeling plates, flat, for terminal width 4.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 121-1A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 121-1XA05** | | 100 | 100 | 044 |
|  8WH8 141-1AB05 | **Labeling plates, flat, for terminal width 4.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 141-1A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 .. 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 141-1XA05** | | 100 | 100 | 044 |
|  8WH8 111-1AA05 | **Labeling plates, flat, for terminal width 4.2 mm, blank** | C | **8WH8 111-1AA05** | | 100 | 100 | 044 |

16

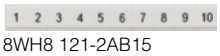
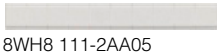
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories for 8WH Terminal Blocks

## Standard labeling systems

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH8 120-2AB05 | **Labeling plates, front, for terminal width 5.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 120-2A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
|  8WH8 120-2AA15 | • L1/L2/L3/N/PE | | **A15** | | | | |
| | • Custom inscription | X | **8WH8 120-2XA05** | | 100 | 100 | 044 |
|  8WH8 140-2AB05 | **Labeling plates, front, for terminal width 5.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 140-2A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 140-2XA05** | | 100 | 100 | 044 |
|  8WH8 110-2AA05 | **Labeling plates, front, for terminal width 5.2 mm, blank** | C | **8WH8 110-2AA05** | | 100 | 100 | 044 |
|  8WH8 121-2AB15 | **Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 121-2A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 121-2XA05** | | 100 | 100 | 044 |
|  8WH8 141-2AB15 | **Labeling plates, flat, for terminal width 5.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 141-2A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 141-2XA05** | | 100 | 100 | 044 |
|  8WH8 111-2AA05 | **Labeling plates, flat, for terminal width 5.2 mm, blank** | C | **8WH8 111-2AA05** | | 100 | 100 | 044 |

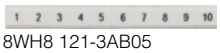
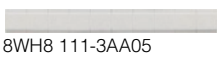




* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH8 120-3AB05 | **Labeling plates, front, for terminal width 6.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 120-3A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
|  8WH8 120-3AA15 | • L1/L2/L3/N/PE | | **A15** | | | | |
|  8WH8 120-3AA25 | • U/V/W/N/grounding | | **A25** | | | | |
| | • Custom inscription | X | **8WH8 120-3XA05** | | 100 | 100 | 044 |
|  8WH8 140-3AB05 | **Labeling plates, front, for terminal width 6.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 140-3A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 140-3XA05** | | 100 | 100 | 044 |
|  8WH8 110-3AA05 | **Labeling plates, front, for terminal width 6.2 mm, blank** | C | **8WH8 110-3AA05** | | 100 | 100 | 044 |
|  8WH8 121-3AB05 | **Labeling plates, flat, for terminal width 6.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 121-3A□□□** | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 121-3XA05** | | 100 | 100 | 044 |
|  8WH8 141-3AB05 | **Labeling plates, flat, for terminal width 6.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | | | | | | |
| | - 1 ... 10 (10×) | C | **8WH8 141-3AB05** | | 100 | 100 | 044 |
| | • Custom inscription | X | **8WH8 141-3XA05** | | 100 | 100 | 044 |
|  8WH8 111-3AA05 | **Labeling plates, flat, for terminal width 6.2 mm, blank** | C | **8WH8 111-3AA05** | | 100 | 100 | 044 |

16

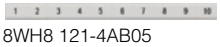
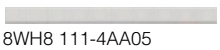
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories for 8WH Terminal Blocks

## Standard labeling systems

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH8 120-4AB05 | **Labeling plates, front, for terminal width 8.2 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
|  8WH8 120-4AA15 | • Incremental numbering | C | **8WH8 120-4A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • L1/L2/L3/N/PE | | **A15** | | | | |
| | • Custom inscription | X | **8WH8 120-4XA05** | | 100 | 100 | 044 |
|  8WH8 140-4AB05 | **Labeling plates, front, for terminal width 8.2 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 140-4A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | • Custom inscription | X | **8WH8 140-4XA05** | | 100 | 100 | 044 |
|  8WH8 110-4AA05 | **Labeling plates, front, for terminal width 8.2 mm, blank** | C | **8WH8 110-4AA05** | | 100 | 100 | 044 |
|  8WH8 121-4AB05 | **Labeling plates, flat, for terminal width 8.2 mm, with horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 121-4A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | - 41 ... 50 (10×) | | **B45** | | | | |
| | - 51 ... 60 (10×) | | **B55** | | | | |
| | - 61 ... 70 (10×) | | **B65** | | | | |
| | - 71 ... 80 (10×) | | **B75** | | | | |
| | - 81 ... 90 (10×) | | **B85** | | | | |
| | - 91 ... 100 (10×) | | **C05** | | | | |
| | • Custom inscription | X | **8WH8 121-4XA05** | | 100 | 100 | 044 |
| | **Labeling plates, flat, for terminal width 8.2 mm, with vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 141-4A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | • Custom inscription | X | **8WH8 141-4XA05** | | 100 | 100 | 044 |
|  8WH8 111-4AA05 | **Labeling plates, flat, for terminal width 8.2 mm, blank** | C | **8WH8 111-4AA05** | | 100 | 100 | 044 |

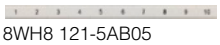
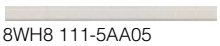
16



* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WH8 120-5AB05 | **Labeling plates, front, for terminal widths 10 and 12 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
|  8WH8 120-5AA15 | • Incremental numbering | C | **8WH8 120-5A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
|  8WH8 120-5AA25 | - 31 ... 40 (10×) | | **B35** | | | | |
| | • L1/L2/L3/N/PE | | **A15** | | | | |
| | • U/V/W/N/grounding | | **A25** | | | | |
| | • Custom inscription | X | **8WH8 120-5XA05** | | 100 | 100 | 044 |
|  8WH8 140-5AB05 | **Labeling plates, front, for terminal widths 10 and 12 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 140-5A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | - 31 ... 40 (10×) | | **B35** | | | | |
| | • Custom inscription | X | **8WH8 140-5XA05** | | 100 | 100 | 044 |
|  8WH8 110-5AA05 | **Labeling plates, front, for terminal widths 10 and 12 mm, blank** | C | **8WH8 110-5AA05** | | 100 | 100 | 044 |
|  8WH8 121-5AB05 | **Labeling plates, flat, for terminal widths 10 and 12 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | C | **8WH8 121-5A□□□** ▲▲▲ | | 100 | 100 | 044 |
| | - 1 ... 10 (10×) | | **B05** | | | | |
| | - 11 ... 20 (10×) | | **B15** | | | | |
| | - 21 ... 30 (10×) | | **B25** | | | | |
| | • Custom inscription | X | **8WH8 121-5XA05** | | 100 | 100 | 044 |
|  8WH8 141-5AB05 | **Labeling plates, flat, for terminal widths 10 and 12 mm, vertical inscription** | | | | | | |
| | Versions | | | | | | |
| | • Incremental numbering | | | | | | |
| | - 1 ... 10 (10×) | C | **8WH8 141-5AB05** | | 100 | 100 | 044 |
| | • Custom inscription | X | **8WH8 141-5XA05** | | 100 | 100 | 044 |
|  8WH8 111-5AA05 | **Labeling plates, flat, for terminal widths 10 and 12 mm, blank** | C | **8WH8 111-5AA05** | | 100 | 100 | 044 |
|  8WH8 120-7AA15 | **Labeling plates, front, for terminal width 16 mm, horizontal inscription** | | | | | | |
| | Versions | | | | | | |
| | • L1/L2/L3/N/PE | C | **8WH8 120-7AA15** | | 100 | 100 | 044 |
| | • Custom inscription | X | **8WH8 120-7XA05** | | 100 | 100 | 044 |
| | **Labeling plates, front, for terminal width 16 mm, vertical custom inscription** | X | **8WH8 140-7XA05** | | 100 | 100 | 044 |
|  8WH8 110-7AA05 | **Labeling plates, front, for terminal width 16 mm, blank** | C | **8WH8 110-7AA05** | | 100 | 100 | 044 |
| | **Labeling plates, flat, for terminal width 16 mm, blank** | C | **8WH8 111-7AA05** | | 100 | 100 | 044 |

16

* You can order this quantity or a multiple thereof.

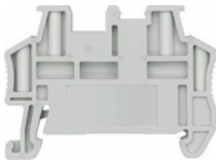
© Siemens AG 2010



# Accessories for 8WH Terminal Blocks

## Mounting accessories

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  <br>8WH9 010-0DB02 | **Lateral mounting test plugs**<br>For individual assembly of test plug connectors | | | | | | |
| | Versions | | | | | | |
| | • For terminal width 4.2 mm | C | **8WH9 010-0DB02** | | 1 | 10 | 044 |
| | • For terminal width 5.2 mm | C | **8WH9 010-0EB02** | | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | C | **8WH9 010-0FB02** | | 1 | 10 | 044 |
| | • For terminal width 8.2 mm | C | **8WH9 010-0GB02** | | 1 | 10 | 044 |
|  <br>8WH9 010-2AA02 | **Spacer plates**<br>For skipping single terminals for individual test adapter assembly | | | | | | |
| | Versions | | | | | | |
| | • For terminal width 4.2 mm | C | **8WH9 010-2AA02** | | 1 | 10 | 044 |
| | • For terminal width 5.2 mm | C | **8WH9 010-2BA02** | | 1 | 10 | 044 |
| | • For terminal width 6.2 mm | C | **8WH9 010-2CA02** | | 1 | 10 | 044 |
| | • For terminal width 8.2 mm | C | **8WH9 010-2DA02** | | 1 | 10 | 044 |
|  <br>8WH9 150-1CA00 | **Terminal strip markers, for end retainers**<br>• Height-adjustable<br>• For quick-fit end retainers<br>• Inscription possible with terminal strip marker or two labels, front, for terminal width 10.2 mm<br>• Labeling field size: 20 x 8 mm | C | **8WH9 150-1CA00** | | 1 | 100 | 044 |
|  <br>8WH9 010-0JB00 | **Test adapters**<br>• For 4 mm ∅ PS test plugs and 4 mm ∅ safety test plugs<br>• Makes contact in the bridge slot | C | **8WH9 010-0JB00** | | 1 | 10 | 044 |
|  <br>8WH9 020-0FC10 | **Reducing combs** | | | | | | |
| | Versions | | | | | | |
| | • For connecting a through-type terminal, terminal size 2.5 or 4 mm² | | | | | | |
| | - To a through-type terminal, terminal size 1.5 mm² | C | **8WH9 020-0CC10** | | 1 | 10 | 044 |
| | - To a through-type terminal, terminal size 6 mm², $I_{max}$: 48 A | C | **8WH9 020-0FC10** | | 1 | 10 | 044 |
| | - To a through-type terminal, terminal size 10 mm², $I_{max}$: 55 A | C | **8WH9 020-0AC10** | | 1 | 10 | 044 |
| | - To a through-type terminal, terminal size 16 mm², $I_{max}$: 64 A | C | **8WH9 020-0BC10** | | 1 | 10 | 044 |
| | - To a through-type terminal, terminal size 35 mm², $I_{max}$: 64 A | C | **8WH9 020-0EC10** | | 1 | 10 | 044 |
| | • For connecting a through-type terminal, terminal size 16 mm² | | | | | | |
| | - To a through-type terminal, terminal size 35 mm², $I_{max}$: 90 A | C | **8WH9 020-0DC10** | | 1 | 10 | 044 |
|  <br>8WH9 150-0CA00 | **Quick-fit end retainers**<br>• For labeling with front labels, for terminal width 5.2 mm and terminal strip markers | A | **8WH9 150-0CA00** | | 1 | 50 | 044 |
|  <br>8WH9 200-0AA00 | **Screwdrivers**<br>For actuating the tension springs | | | | | | |
| | Versions | | | | | | |
| | • 0.4 x 2.5 mm | C | **8WH9 200-0AA00** | | 1 | 10 | 044 |
| | • 0.6 x 3.5 mm | C | **8WH9 200-0AB00** | | 1 | 10 | 044 |
| | • 0.8 x 4.0 mm | C | **8WH9 200-0AC00** | | 1 | 10 | 044 |
| | • 1.0 x 5.5 mm | C | **8WH9 200-0AD00** | | 1 | 10 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010




8WH9 020-6AC10

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Connecting combs** | | | | | | |
| Versions | | | | | | |
| • For terminal width 4.2 mm | | | | | | |
| - 2-pole | C | **8WH9 020-6AC10** | | 1 | 50 | 044 |
| - 3-pole | C | **8WH9 020-6AD10** | | 1 | 50 | 044 |
| - 4-pole | C | **8WH9 020-6AE10** | | 1 | 50 | 044 |
| - 5-pole | C | **8WH9 020-6AF10** | | 1 | 50 | 044 |
| - 10-pole | C | **8WH9 020-6AL10** | | 1 | 10 | 044 |
| - 20-pole | C | **8WH9 020-6AS10** | | 1 | 10 | 044 |
| • For terminal width 5.2 mm | | | | | | |
| - 2-pole | C | **8WH9 020-6BC10** | | 1 | 50 | 044 |
| - 3-pole | C | **8WH9 020-6BD10** | | 1 | 50 | 044 |
| - 4-pole | C | **8WH9 020-6BE10** | | 1 | 50 | 044 |
| - 5-pole | C | **8WH9 020-6BF10** | | 1 | 50 | 044 |
| - 10-pole | C | **8WH9 020-6BL10** | | 1 | 10 | 044 |
| - 20-pole | C | **8WH9 020-6BS10** | | 1 | 10 | 044 |
| - 50-pole | C | **8WH9 020-6BT10** | | 1 | 10 | 044 |
| • For terminal width 6.2 mm | | | | | | |
| - 2-pole | C | **8WH9 020-6CC10** | | 1 | 50 | 044 |
| - 3-pole | C | **8WH9 020-6CD10** | | 1 | 50 | 044 |
| - 4-pole | C | **8WH9 020-6CE10** | | 1 | 50 | 044 |
| - 5-pole | C | **8WH9 020-6CF10** | | 1 | 50 | 044 |
| - 10-pole | C | **8WH9 020-6CL10** | | 1 | 10 | 044 |
| - 20-pole | C | **8WH9 020-6CS10** | | 1 | 10 | 044 |
| - 50-pole | C | **8WH9 020-6CT10** | | 1 | 10 | 044 |
| • For terminal width 8.2 mm | | | | | | |
| - 2-pole | C | **8WH9 020-6DC10** | | 1 | 10 | 044 |
| - 3-pole | C | **8WH9 020-6DD10** | | 1 | 10 | 044 |
| - 4-pole | C | **8WH9 020-6DE10** | | 1 | 10 | 044 |
| - 5-pole | C | **8WH9 020-6DF10** | | 1 | 10 | 044 |
| - 10-pole | C | **8WH9 020-6DL10** | | 1 | 10 | 044 |
| • For terminal width 10 mm, 2-pole | C | **8WH9 020-6EC10** | | 1 | 10 | 044 |
| • For terminal width 12 mm, 2-pole | C | **8WH9 020-6FC10** | | 1 | 10 | 044 |
| • For terminal width 16 mm, 2-pole | C | **8WH9 020-6GC10** | | 1 | 10 | 044 |



*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Accessories for 8WH Terminal Blocks

## Mounting accessories

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
| | **Plug-in zone connectors, for isolating terminals** | | | | | | |
| | Versions | | | | | | |
|  8WH9 040-0DB04 | • Isolating plugs<br>- Orange | C | **8WH9 040-0DB04** | | 1 | 50 | 044 |
|  8WH9 020-8AB00 | • Through-type connectors<br>- Gray<br>- $I_{max}$: 16 A | C | **8WH9 020-8AB00** | | 1 | 50 | 044 |
|  8WH9 040-3AB08 | • Fused connectors<br>- Black<br>- $I_{max}$: 6.3 A<br>- Labeling plates offer facility for inscription, flat, for terminal width 6.2 mm<br>- G fuses 5 x 20 mm | | | | | | |
| | Versions | | | | | | |
| | - With LED display for 12 ... 30 V, 1 ... 2.5 mA | C | **8WH9 040-3AB08** | | 1 | 10 | 044 |
| | - With LED display for 30 ... 60 V, 0.8 ... 2.0 mA | C | **8WH9 040-3BB08** | | 1 | 10 | 044 |
| | - With LED display for 110 ... 250 V, 0.5 ... 2.5 mA | C | **8WH9 040-3CB08** | | 1 | 10 | 044 |
| | - Without LED display | C | **8WH9 040-3DB08** | | 1 | 10 | 044 |
| | Note | | | | | | |
| | - G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders.<br>- Higher ambient temperatures add to the load of the fuse links. In this case, take the offset of the rated current into account. | | | | | | |
|  8WH9 040-0BB00 | • Component connectors<br>- $I_{max}$: 6 A, depending on the power loss of the components, max. 1 W with single arrangement<br>- Labeling plates offer facility for inscription, flat, for terminal width 5.2 mm | C | **8WH9 040-0BB00** | | 1 | 10 | 044 |





* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Overview

Using ALPHA FIX PRINT with LED technology, the inscription of plastic signs for the marking of terminals is as simple as normal printing.

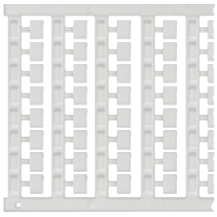
Cutting edge UV technology makes ALPHA FIX PRINT an environmentally friendly high-speed printer. Printing of up to 10 000 labeling plates per hour without the emission of solvents. The marking is instantly smudge-proof and can be used immediately.

The simple and time-saving operation is supported by the automatic material feed.

ALPHA FIX PRINT is network-capable over Ethernet and also supports wireless control using Bluetooth.

Simply connect, insert the standardized UniCard marker cards in the tray - and you're off!

## Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  <br>8WH9 060-6DA08 | **ALPHA FIX PRINT printers**<br>• 100 ... 240 V AC<br>• 480 mm × 540 mm × 335 mm | | **8WH9 060-6DA08** | | On request | | |
|  <br>8WH9 060-6BA08 | **Fluid cartridges for *ALPHA FIX PRINT printers***<br>Black | X | **8WH9 060-6BA08** | | 1 | 1 | 044 |
|  <br>8WH8 202-2DA05 | **Labeling plates, for labeling 8WA terminal blocks using the *ALPHA FIX PRINT printer***<br>5 x 7 mm | C | **8WH8 202-2DA05** | | 100 | 560 | 044 |

16

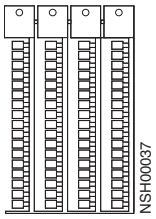
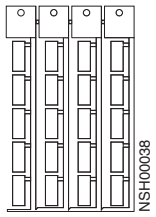
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Plotter labeling systems

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  | **Plotters**<br>For the individual inscription of labeling plates for terminal blocks | | Available from:<br>murrplastik<br>Systemtechnik GmbH<br>Fabrikstraße 10<br>D-71570 Oppenweiler<br>Tel.: +49 (0) 7191 / 4 82 0<br>Fax +49 (0) 7191 / 4 82 28 0<br>E-Mail info@murrplastik.de | | | | |
|  <br>8WA8 850-2AY | **Labeling plates, for plotter inscription**<br>1 frame = 68 labels | | | | | | |
| | Versions | | | | | | |
| | • For 8WA1 and 8WA2, individually removable<br>- 5 × 7, white<br>- 5 × 10, white<br>not for two-tier terminals (bottom level);<br>flat terminals: 8WA1 010-1PQ00, 8WA1 808 | <br>A<br>A | <br>**8WA8 850-2AY**<br>**8WA8 851-2AY** | | <br>100<br>100 | <br>1020<br>1020 | <br>041<br>041 |
| | • Use individually for 8WA1, or together in grid for 8WA2, terminal size 2.5 mm²<br>- 5 × 10 | C | **8WA8 854-2AY** | | 100 | 1200 | 041 |
| | • For 8WA2 to be used together in the grid, terminal size 4 mm²<br>- 6 × 7<br>- 6 × 10 | <br>C<br>C | <br>**8WA8 853-2AY**<br>**8WA8 855-2AY** | | <br>100<br>100 | <br>1080<br>1080 | <br>041<br>041 |
| | Note | | | | | | |
| | These labeling plates can only be printed using the plotter. | | | | | | |
| | **Labeling plates, for individual wires** | | Available from:<br>murrplastik<br>Systemtechnik GmbH<br>Fabrikstraße 10<br>D-71570 Oppenweiler<br>Tel.: +49 (0) 7191 / 4 82 0<br>Fax +49 (0) 7191 / 4 82 28 0<br>E-Mailinfo@murrplastik.de | | | | |
| | Versions | | | | | | |
| | • 4 × 12, white<br>• 4 × 18, white | | | | | | |
|  <br>3TX4 210-0R | **Device labels**<br>• 1 frame = 20 labels<br>• 20 × 9<br>• White | D | **3TX4 210-0R** | | 100 | 380 | 101 |
| | Note | | | | | | |
| | These labeling plates can only be printed using the plotter. | | | | | | |

16



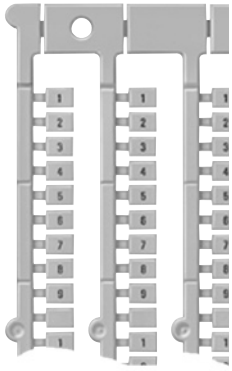
* You can order this quantity or a multiple thereof.

© Siemens AG 2010

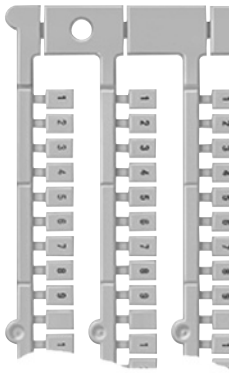


## Selection and ordering data

| Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **Labeling plates, for manual inscription**<br>• Not suitable for plotting<br>• Blank | | | | | | |
| Versions | | | | | | |
| • Label size 5 mm x 7 mm | A | **8WA8 848-2AY** | | 100 | 100 | 041 |
| • Label size 5 mm x 10 mm | C | **8WA8 800-2AY** | | 100 | 100 | 041 |
| Note | | | | | | |
| These labeling plates are not suitable for printing with the ALPHA FIX PRINT printer or a plotter. | | | | | | |
| **Labeling plates, type 860/861**<br>• Label size 5 mm x 7 mm<br>• Font height 2 mm<br>• Grid size: 6.2 mm | | | | | | |
| Versions | | | | | | |
| • Horizontal inscription | C | **8WA8 860-□□□** | | 100 | 200 | 041 |
| • Vertical inscription | C | **8WA8 861-□□□** | | 100 | 200 | 041 |
| Inscriptions | | ▲▲▲ | | | | |
| • 1…5 (40x) | | **0BA** | | | | |
| • 6…10 (40x) | | **0BB** | | | | |
| • 11…15 (40x) | | **0BC** | | | | |
| • 16…20 (40x) | | **0BD** | | | | |
| • 21…25 (40x) | | **0BE** | | | | |
| • 26…30 (40x) | | **0BF** | | | | |
| • 31…35 (40x) | | **0BG** | | | | |
| • 36…40 (40x) | | **0BH** | | | | |
| • 41…45 (40x) | | **0BJ** | | | | |
| • 46…50 (40x) | | **0BK** | | | | |
| • 51…55 (40x) | | **0BL** | | | | |
| • 56…60 (40x) | | **0BM** | | | | |
| • 61…65 (40x) | | **0BN** | | | | |
| • 66…70 (40x) | | **0BP** | | | | |
| • 71…75 (40x) | | **0BQ** | | | | |
| • 76…80 (40x) | | **0BR** | | | | |
| • 81…85 (40x) | | **0BS** | | | | |
| • 86…90 (40x) | | **0BT** | | | | |
| • 91…95 (40x) | | **0BU** | | | | |
| • 96…100 (40x) | | **0BV** | | | | |
| • 1…20 (10x) | | **0AB** | | | | |
| • 1…40 (5x) | | **0AC** | | | | |
| • 41…100 (3x) | | **0AD** | | | | |
| • 101…200 (2x) | | **0AF** | | | | |
| • 201…300 (2x) | | **0AG** | | | | |
| • 1…9, blank (20x) | | **0AA** | | | | |
| • 1…100 (2x) | | **0AE** | | | | |
| • A, B…T (10x) | | **1AA** | | | | |
| • U, V, W, X, Y, Z (30x) +, - (10x) | | **1AB** | | | | |
| • L1, L2, L3, N, PE (40x) | | **1AC** | | | | |
| • U1, V1, W1, U2, V2, W2, (30x); blank (20x) | | **1AD** | | | | |



Horizontal inscription
(8WA8 860-0AA)



Vertical inscription
(8WA8 861-0AA)

16

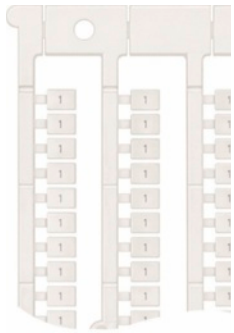
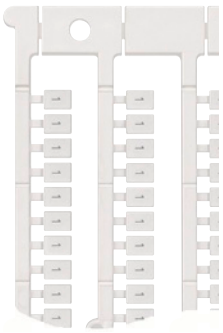
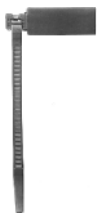
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories for 8WA Terminal Blocks

## Standard labeling systems

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  Horizontal inscription (8WA8 847-0AA) | **Labeling plates, type 847/848**<br>• Label size 5 mm x 7 mm<br>• Font height 2 mm<br>• Grid size: 6.2 mm | | | | | | |
| | Versions | | | | | | |
| | • Horizontal inscription | C | **8WA8 847-□□□** | | 100 | 100 | 041 |
| | • Vertical inscription | C | **8WA8 848-□□□** | | 100 | 100 | 041 |
| | Inscriptions | | ▲▲▲ | | | | |
| | • F1 (100x)<br>• F2 (100x)<br>• F3 (100x) | | **2AK**<br>**2AL**<br>**2AM** | | | | |
| | • L1 (100x)<br>• L2 (100x)<br>• L3 (100x) | | **2AC**<br>**2AD**<br>**2AE** | | | | |
| | • N (100x)<br>• MP (100x)<br>• PE (100x) | | **1AR**<br>**2AB**<br>**2AH** | | | | |
| | • L+ (100x)<br>• L- (100x)<br>• Green-yellow (100x) | | **2AF**<br>**2AG**<br>**2BA** | | | | |
| | • Blue (100x)<br>• PEN (100x)<br>• Ground symbol (100x) | | **2BC**<br>**2AJ**<br>**2AA** | | | | |
| | • E (100x)<br>• F (100x)<br>• N (100x) | | **1AS**<br>**1AL**<br>**1AR** | | | | |
|  Vertical inscription (8WA8 848-0AA) | • X (100x)<br>• Y (100x) | | **1AG**<br>**1AH** | | | | |
| | **Labeling plates, customized inscriptions**<br>• Label size 5 mm x 7 mm<br>• Font height 2 mm<br>• Grid size: 6.2 mm<br>• Specify required inscription in plain text | | | | | | |
| | Versions | | | | | | |
| | • Horizontal inscription | D | **8WA8 847-0XA** | | 100 | 100 | 041 |
| | • Vertical inscription | X | **8WA8 848-0XA** | | 100 | 100 | 041 |
|  8WA1 806 | **End labeling plates**<br>• 21 × 42 mm<br>• Paper label, inscription possible, with transparent cover<br>• Suitable for 8WA1 805, 8WA1 808 and 8WA2 808 end retainers | C | **8WA1 806** | | 1 | 50 | 041 |
|  8WA2 838 | **Group labels**<br>• White<br>• For 8WA2 terminals for plugging onto retaining plates or insulation plates<br>• L = 100 mm | C | **8WA2 838** | | 1 | 50 | 041 |
|  8WA8 846-2AY | **Labeling plates, for cables** | C | **8WA8 846-2AY** | | 100 | 1000 | 041 |
|   8WA8 826-0AA | **Terminal strip labeling plates**<br>Suitable for 8WA1 808 and 8WA2 808 end retainers | | | | | | |
| | Versions | | | | | | |
| | • Printed with "X1" | C | **8WA8 826-0AA** | | 100 | 100 | 041 |
| | • Printed with "X2" | C | **8WA8 826-0AB** | | 100 | 100 | 041 |
| | • Printed with "X3" | C | **8WA8 826-0AC** | | 100 | 100 | 041 |
| | • Blank | B | **3TX4 210-0H** | | 100 | 100 | 101 |





* You can order this quantity or a multiple thereof.

© Siemens AG 2010

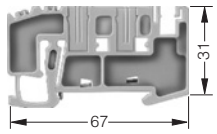


## Standard labeling systems

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WA2 850 | **Label holders**<br>For 8WA2 terminals for insertion into test opening | C | **8WA2 850** | | 1 | 50 | 041 |

## Mounting accessories

### Selection and ordering data

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WA2 808 | **End retainers**<br>• Light gray<br>• Mounting width 9 mm<br>• Terminal height 31 mm<br>• Terminal length 67 mm<br>• Suitable for<br>- 8WA1 806 end labeling plate or<br>- 8WA8 826-0A terminal strip labeling plate or<br>- 3TX4 210-0H device label or<br>- 4 8WA8 ... labels<br>• Can also be used for neutral busbar 10 × 3 mm (8WA2 826) as retainer with the corresponding 8WA2 837 part | A | **8WA2 808** | | 1 | 50 | 041 |
|  8WA1 808 | **End retainers, with screw fixing**<br>• Mounting width 10 mm<br>• Suitable for 8WA1 806 end labeling plate or 8WA8 826-0A terminal strip labeling plate or 3TX4 210-0H device labeling plate or four 8WA8 8 labels. | A | **8WA1 808** | | 1 | 50 | 041 |
|  8WA1 805 | **End retainers, steel**<br>• Mounting width 10.3 mm<br>• Suitable for 8WA1 806 end labeling plates | A | **8WA1 805** | | 1 | 50 | 041 |
| | Note<br>An 8WA1 820 barrier must be inserted if using end retainers against an 8WA1 89. link rail (size 2.5). | | | | | | |
|  5ST1 141 | **Standard mounting rails** | | | | | | |
| | Versions | | | | | | |
| | • Perforated<br>- EN 50 022-35 × 7.5<br>- 2 m long, 1 mm thick,<br>- Steel, sendzimir-galvanized | B | **5ST1 145** | | 1 | 20 | 020 |
| | • Non-perforated | B | **5ST1 141** | | 1 | 20 | 020 |
| | • Non-perforated, copper<br>- EN 50022-35 × 15<br>- 2 m long, 2.3 mm thick, | C | **8WA7 551** | | 1 | 1 | 041 |
| | • Non-perforated, steel, galvanized, chromated<br>- Similar to EN 50022-35 × 15<br>- 2 m long, 1.5 mm thick, | B | **5ST1 142** | | 1 | 10 | 020 |
|  8WA1 868 | **Test plugs**<br>• For 8WA1 and 8WA2 terminals with 2.3 mm ø hole or 8WA1 854, 8WA1 884 test sockets<br>• Uninterrupted current 10 A | | | | | | |
| | Versions | | | | | | |
| | • Red | D | **8WA1 868** | | 1 | 10 | 041 |
| | • Blue | A | **8WA1 870** | | 1 | 10 | 041 |

16

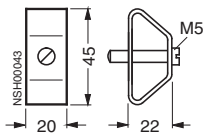
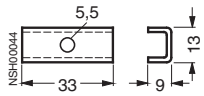
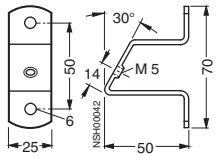
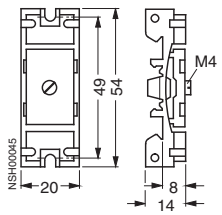
* You can order this quantity or a multiple thereof.

© Siemens AG 2010



# Accessories for 8WA Terminal Blocks

## Mounting accessories

| | Version | DT | Order No. | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|---|
|  8WA1 884 | **Test sockets**<br>• ø 2, 3 mm<br>• With matching spacer sleeve for link rails, terminal sizes 2.5 and 4 mm², two-tier terminals, rear level, terminal size 6 mm²<br>• Uninterrupted current 10 A | | | | | | |
| | Versions | | | | | | |
| | • Test sockets | D | **8WA1 884** | | 1 | 100 | 041 |
| | • Spacer sleeves | X | **8WA1 822-7VH11** | | 1 | 100 | 041 |
| | Note | | | | | | |
| | The test socket must be used with a spacer sleeve. | | | | | | |
|  8WA1 871 | **Reduction plugs**<br>• For 8WA1 and 8WA2 terminals with 2.3 mm ø hole or 8WA1 854, 8WA1 884 test sockets<br>• Uninterrupted current 10 A<br>• With 4 mm Ø hole | D | **8WA1 871** | | 1 | 10 | 041 |
|  8WA7 53 | **Spacer brackets**<br>For raised mounting of terminal strips | C | **8WA7 53** | | 1 | 50 | 041 |
|  8WA7 52 | **Spacers**<br>• With 5.5 mm hole<br>• For raised mounting of terminal strips | C | **8WA7 52** | | 1 | 100 | 041 |
|  8WA7 46 | **Mounting brackets**<br>For support rails | C | **8WA7 46** | | 1 | 10 | 041 |
|  8WA1 857 | **Insulation carriers**<br>For insulated mounting of support rails onto plates, frame profiles and standard mounting rails EN 50022-35 | D | **8WA1 857** | | 1 | 20 | 041 |
|  8WA2 803 | **Screwdrivers, for 8WA2**<br>• Green<br>• Approx. 175 mm long | | | | | | |
| | Versions | | | | | | |
| | • Up to terminal size 6 mm² | | | | | | |
| | - 3.5 mm × 0.5 mm | C | **8WA2 803** | | 1 | 1 | 041 |
| | - 3.5 mm × 0.5 mm, partially insulated | C | **8WA2 880** | | 1 | 1 | 041 |

16

* You can order this quantity or a multiple thereof.

© Siemens AG 2010

# Appendix

17




17/2 Order information

17/3 Approvals and certificates

17/7 Contacts

17/8 Online services

17/9 Service and support

17/10 Subject index

17/14 Order number Index

17/36 Terms and condons of sale and delivery, Export regulations

© Siemens AG 2010



## Order information

### *Trademarks*

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

### *Ordering special versions*

When ordering products that differ from the standard versions listed in the catalog, **"–Z"** must be added to the Order No. indicated and the required features must be specified using alphanumeric order codes or plain text.

### *Ordering very small quantities*

When ordering very small quantities, the cost of order processing often exceeds the order value. We therefore recommend that you combine several small orders. Where this is not possible, please note that we are obliged to make a small processing charge: for orders with a net goods value of less than € 100 we charge a € 15 supplement to cover our order processing and invoicing costs.

### *Internet*

Visit us on the Internet. Our addresses are as follows:

- For Building Technologies:
  http://www.siemens.com/buildingtechnologies
- For Electrical Installation Technology:
  http://www.siemens.com/e-installation
- For the online mall:
  http://www.siemens.de/automation/mall

### *Notes*

All technical data, dimensions and weights are subject to change without notice unless otherwise specified on the pages of this catalog.

All dimensions are specified in mm, illustrations are for reference purposes only.

The technical data are for general information. The instruction manuals and the operating instructions on the products must be observed during assembly, operation and maintenance.

### *Explanations on the Selection and Ordering Data*

**DT (delivery time class)**

| DT | Meaning |
|---|---|
| ► | Preferred type |
| A | Two workdays |
| B | One week |
| C | Three weeks |
| D | Six weeks |
| X | On request |

Preferred types are device types that can be delivered immediately ex works, i.e. they are dispatched within 24 hours.

If ordered in normal quantities, the products are usually delivered within the specified delivery times, calculated from the date we receive your order.

In exceptional cases, delivery times may vary from those specified.

The delivery times are valid ex works from Siemens AG (products ready for dispatch).

Shipping times depend on the destination and the method of shipping. The standard shipping time for Germany is one day.

The delivery time classes specified in the catalog are valid as of 10/2008 and are constantly being optimized. For more up-to-the-minute information, please visit our site at:
http://www.siemens.com/automation/mall.

**PU (price unit)**

The PU column (price unit) specifies the quantity to which the price and weight refer.

**PS/P. unit (packaging size/ packaging unit)**

The first digit in the PS/P. unit column (packaging size/packaging unit) indicates the minimum order quantity. You can only order this specified quantity or a multiple thereof.

The second digit in the PS/P. unit column (packaging size/packaging unit) specifies the number of units contained in larger packaging (e.g. in a carton). You must order this quantity or a multiple thereof if you want the item to be delivered in a larger packaging quantity. Examples:

| PS/P. unit | Meaning |
|---|---|
| 1 | You can order one item or a multiple thereof. |
| 5 | For example, five units are packed in a bag. Because the bags cannot be opened, you can only order a multiple of the quantity contained in the bag: 5, 10, 15, 20, etc. |
| 5/100 | One carton contains 20 bags, each containing 5 units, i.e. a total of 100 units. If only cartons are available for delivery, you need to order a multiple of the carton quantity: 100, 200, 300, etc.<br>Ordering a quantity of 220 units, would produce the following delivery: two cartons, each containing 100 units (= 200 units) and 4 bags, each containing 5 units (= 20 units). |

**PG (Price Group)**

Each product is assigned to a price group.

**Weight**

The value specified in the Weight column specifies the weight in kg for the quantity specified in the PU column (price unit).

© Siemens AG 2010



## Approvals and certificates

### *ALPHA distribution boards*

Our ALPHA distribution boards and components are series produced. Regular type tests and routine tests, by both internal and external testing laboratories, ensure uniform quality and the highest technical standards. Our product spectrum ranges from small distribution boards (up to 63 A) through to distribution boards with 1250 A busbar load capacity.

The ALPHA distribution boards comply with standards EN 60439-1 (VDE 0660-500) and EN 60439-3 (VDE 0660-504). The respective type tests are performed according to Table 7, sections 8.2.1 ... 8.2.7 or 8.2.15 of the aforementioned regulations. With immediate effect, the distribution boards will also be tested according to the new standard IEC 61439-2 and certified accordingly with type verification.



© Siemens AG 2010



## Approvals and certificates

The standard VDE 0660-500 /-504; EN 60439-1/-3; IEC 60439-1/ -3 is one of the most important standards for distribution systems. It stipulates the requirements for the safe operation of low-voltage switchgear assemblies.

The standard VDE 0660-500; EN 60439-1 distinguishes between:

- *TTA (type-tested switchgear assemblies)*
  TTA refers to factory-assembled switchgear assemblies that conform to an established type or system without deviations likely to significantly influence the performance from the typical assembly verified to be in accordance with the standard DIN VDE 0660-500.
- *PTTA (partially type-tested switchgear assemblies)*
  PTTA refers to switchgear assemblies, including factory-assembled, type-tested and non-type-tested arrangements, which comply with the relevant test requirements as specified in DIN VDE 0660-500.

Both versions (TSK and PTSK) are equivalent to each other. They offer the same level of safety and the same high standard of quality. The difference between TTA and PTTA lies in the scope and the type of tests performed.

All switchgear assemblies produced with type-tested components are required to undergo routine tests (according to Table 7, sections 8.3.1 ... 8.3.4 of the aforementioned regulations). These switchgear assemblies are then TTA-approved.

In the case of switchgear assemblies containing both type-tested and non-type-tested arrangements, proof must be provided (according to Table 7 of the aforementioned standard) that the latter are derived (e.g. by calculation) from type tested arrangements which have complied with the relevant tests. These switchgear assemblies are then PTTA-approved.

| 7 | Type tests |
|---|---|
| 1. | Proof of compliance with the temperature-rise limit |
| 2. | Proof of insulation resistance |
| 3. | Proof of short-circuit strength |
| 4. | Proof of the proper connection between the bodies of the switchgear assemblies and the protective conductor by monitoring the resistance measurement |
| 5. | Proof of creepage distance and clearance |
| 6. | Proof of mechanical functionality |
| 7. | Proof of IP degree of protection |

| 3 | Routine tests |
|---|---|
| 1. | Wiring, electrical functionality |
| 2. | Insulation |
| 3. | Protective measures |
| 4. | Insulation resistance |

For further information on approvals and certificates, please refer to

http://www.siemens.com/automation/service&support

| Product groups | VDE | EN | DIN | IEC | Meets requirements of 8.2.1 - 8.2.7 acc. to EN 60439-1 | Meets requirements of 8.2.9 - 8.2.15 acc. to EN 60439-3 |
|---|---|---|---|---|---|---|
| **ALPHA distribution boards** | | | | | | |
| ALPHA 160 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✓ | ✓ |
| ALPHA 400 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✓ | ✓ |
| ALPHA 630 | DIN VDE 0660-500/504 | EN 60439-1/-3 | -- | IEC 60439-1/-3 | ✓ | ✓ |
| **ALPHA small distribution boards** | | | | | | |
| SIMBOX 63 | DIN VDE 0603-1, DIN VDE 0660-500/504 | EN 60439-1/-3 | DIN 43871 | IEC 60439-1/-3 | ✓ | ✓ |
| **ALPHA 400-ZS** | | | | | | |
| ALPHA 400-ZS meter cabinets | DIN VDE 0603-1, DIN VDE 0660-500/504 | EN 60439-1/-3 | DIN 43870 | -- | ✓ | ✓ |
| **ALPHA 8HP molded-plastic distribution systems** | | | | | | |
| ALPHA 8HP molded-plastic distribution systems | DIN VDE 0660-500 | EN 60439-1 | -- | IEC 60439-1 | ✓ | [1] |
| **ALPHA modular distribution boards** | | | | | | |
| ALPHA AS modular distribution boards | DIN VDE 0660-500/504 | TSK certificate according to EN 60439-1/-3 | -- | Type verification according to IEC 61439-2 | ✓ | ✓ |

[1] This type of distribution board does not need to be tested according to EN 60439-3.

© Siemens AG 2010



### *ALPHA terminal blocks*

| Devices | Type | Approvals | | | | | | | | | | Ship classifications | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Canada 1) 2) | | USA 1) | | | China | Czech Republic | Slovakia | Poland | Hungary | Germany | Great Britain | France | Norway | CIS | Italy | Poland | USA |
| | | | c US | | c US | | CCC | EZU | SKTC | SEP | MEEI | GL | LRS | BV | DNV | RMRS | RINA | PRS | ABS |
| **Terminal blocks** For and nominal data of the terminal blocks, please refer to the Technical specifications | **8WA1 010–1PH01** | + | | – | | – | | – | + | – | – | + | – | – | – | – | – | + | – |
| | **8WA1 010–1PQ00** | + | | – | | – | | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 011–0D** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BF21** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BF22** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BF23** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BF24** | + | | – | | + | | – | – | – | – | + | + | + | + | – | – | – | + |
| | **8WA1 011–1BF25** | + | | – | | + | | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 011–1BG11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BG21** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BG22** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BG24** | + | | – | | + | | – | – | – | – | + | + | + | + | – | – | – | + |
| | **8WA1 011–1BH23** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | – | + |
| | **8WA1 011–1BH24** | + | | – | | + | | – | – | – | – | + | + | + | + | – | – | – | + |
| | **8WA1 011–1BK11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BM11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1BP11** | – | | – | | – | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1DF11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1DG11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1DH11** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1DQ10** | – | + | – | | + | | + | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 011–1DS10** | – | + | – | | + | | + | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 011–1DU10** | – | + | – | | + | | + | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 011–1EF20** | – | | – | | – | | + | – | – | + | – | – | – | – | – | – | + | – |
| | **8WA1 011–1MH1.** | +3) | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1EF28** | – | | – | | – | | – | – | – | + | – | – | – | – | – | – | – | – |
| | **8WA1 011–1NF01** | + | | – | | + | | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1NF02** | + | | – | | + | | – | – | – | – | + | + | + | + | – | – | + | + |
| | **8WA1 011–1NG31** | + | | – | | + | | – | – | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011–1NG32** | + | | – | | + | | – | – | – | – | + | + | + | + | – | – | + | + |

If you have any further questions regarding UL/CSA approvals, please refer to our Technical Support, see page 7/9.

For more information on standards and certifications, please visit our web site at: http://www.siemens.com/automation/support, and select the option "Product Support".

\+ Approved in the standard version.

– Not yet submitted for approval.

1) For registration numbers and references of approvals, please visit our Web site at: http://www.siemens.com/automation/support, and select the option "Product Support".

2) c or c -approved in accordance with USA approval, unless stated otherwise.

3) 600 A, 5 A, type D or 300 V type C.

© Siemens AG 2010



## Approvals and certificates

| Devices | Type | Approvals | | | | | | | Ship classifications | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Canada 1) 2) | USA 1) | 1) | Czech Republic | Slovakia | Poland | Hungary | Germany | Great Britain | France | Norway | CIS | Italy | Poland | USA |
| | | | | | EZU | SKTC | SEP | MEEI | GL | LRS | BV | DNV | RMRS | RINA | PRS | ABS |
| **Terminal blocks** For and nominal data of the terminal blocks, please refer to the Technical specifications | **8WA1 011 –1NH01** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1NH02** | + | – | + | – | – | – | – | + | + | + | + | – | – | + | + |
| | **–1NK02** | – | – | + | – | + | – | – | + | + | + | + | – | – | + | + |
| | **8WA1 011 –1PF00** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PF01** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PF11** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011 –1PG00** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PG01** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PG11** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011 –1PH00** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PH11** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PK00** | + | – | + | – | + | – | + | + | + | + | + | – | – | + | + |
| | **–1PM00** | + | – | + | – | – | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011 –1SF12** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–1SF2.** | + | – | + | – | + | – | – | – | – | – | – | – | – | + | – |
| | **8WA1 011 –2BG11** | + | – | + | + | – | – | – | + | + | + | + | – | – | + | + |
| | **–2DG11** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–2SF2.** | + | – | + | – | + | – | – | – | – | – | – | – | – | + | – |
| | **8WA1 011 –3D.21** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 011 –3JF16 to 8WA1 011 –3JF20** | + | – | + | + | + | – | + | – | – | – | – | – | – | – | – |
| | **8WA1 011 –4SF2.** | + | – | + | – | + | – | – | – | – | – | – | – | – | + | – |
| | **–6SF2.** | – | – | – | – | + | – | – | – | – | – | – | – | – | + | – |
| | **–8SF2.** | – | – | – | – | + | – | – | – | – | – | – | – | – | + | – |
| | **8WA1 011 –6BG11** | + | – | + | + | – | – | – | + | + | + | + | – | – | + | + |
| | **–6DG11** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **–6EG..** | – | – | + | + | + | – | + | – | – | – | – | – | – | + | – |
| | **8WA1 012 –1DK10** | – | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **–1D.14** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 204 to 206** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 211, 8WA1 221** | – | – | – | – | + | – | – | – | – | – | – | – | – | + | – |
| | **8WA1 232** | – | – | + | – | + | – | – | – | – | – | – | – | – | + | – |
| | **8WA1 304, 8WA1 305** | + | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA1 501** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA1 604** | – | – | + | + | + | – | + | + | + | + | + | – | – | + | + |
| | **8WA2 011 –1.F2.** | + | – | + | – | – | – | + | + | + | + | + | – | – | – | + |
| | **–1.G2.** | + | – | + | – | – | – | + | + | + | + | + | – | – | – | + |
| | **–1.H2.** | + | – | + | – | – | – | + | + | + | + | + | – | – | – | + |
| | **–1.J2.** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **–1.K2.** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **8WA2 011 –1.F3.** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **–1.G3.** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **-2.G4.** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **8WA2 011 –3JG1** | + | – | + | – | – | – | – | + | + | + | + | – | – | – | + |
| | **–3JG30** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA2 011 –1NK23** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **–3JG11** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **–1EF20** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **–6EG2.** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA2 011–3KE..** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | – |
| | **8WA9 200, 8WA9 203** | + | – | + | – | – | – | – | – | – | – | – | – | – | – | + |
| | **8WH** | For further details, please refer to chapters 1 to 6, *"Technical specifications"*. | | | | | | | | | | | | | | |

If you have any further questions regarding UL/CSA approvals, please refer to our Technical Support, see page 7/9.

For more information on standards and certifications, please visit our web site at: http://www.siemens.com/automation/support, and select the option "Product Support".

\+ Approved in the standard version.

– Not yet submitted for approval.

O Device submitted, available on request.

1) For registration numbers and references of approvals, please visit our Web site at: http://www.siemens.com/automation/support, and select the option "Product Support".

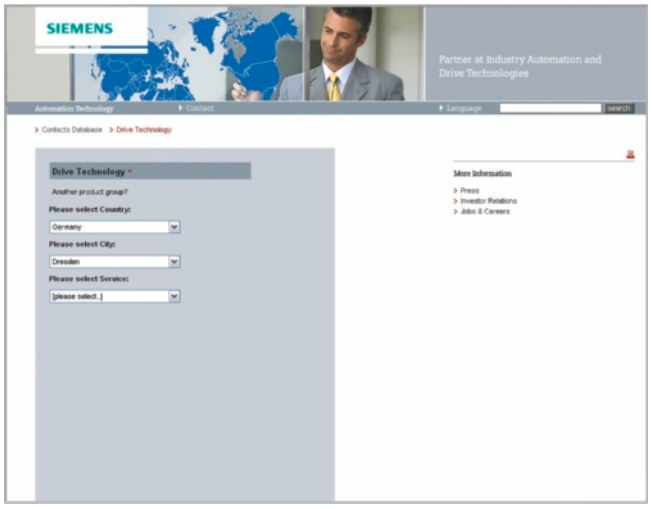
2) c or c-approved in accordance with USA approval.

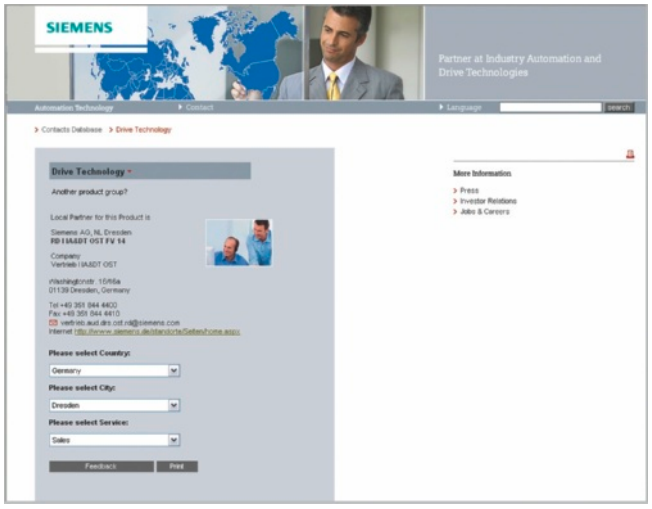
© Siemens AG 2010



## Partner at Industry Automation and Drive Technologies




At Siemens Industry Automation and Drive Technologies, more than 85,000 people are resolutely pursuing the same goal: long-term improvement of your competitive ability. We are committed to this goal. Thanks to our commitment, we continue to set new standards in automation and drive technology. In all industries - worldwide.

At your service locally, around the globe for consulting, sales, training, service, support, spare parts... on the entire Industry Automation and Drive Technologies range.

Your personal contact can be found in our Contacts Database at:
http://www.siemens.com/automation/partner

You start by selecting a

- Product group,
- Country,
- City,
- Service.

© Siemens AG 2010



# Information and ordering in the Internet and on DVD

## Siemens Industry Automation and Drive Technologies in the WWW




A detailed knowledge of the range of products and services available is essential when planning and configuring automation systems. It goes without saying that this information must always be fully up-to-date.

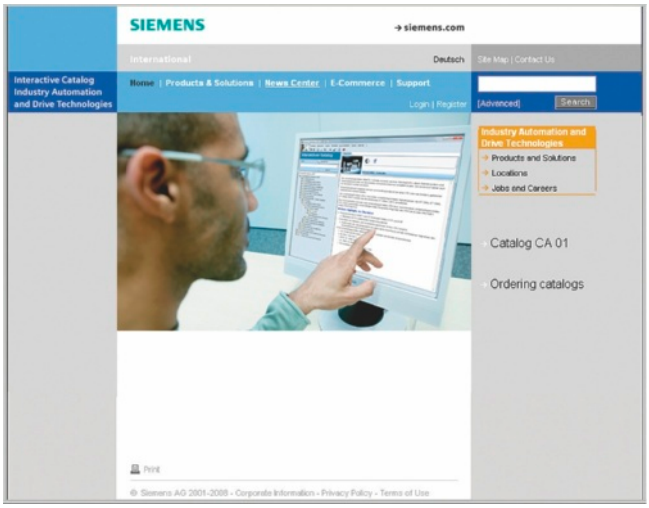
Siemens Industry Automation and Drive Technologies has therefore built up a comprehensive range of information in the World Wide Web, which offers quick and easy access to all data required.

Under the address

http://www.siemens.com/automation

you will find everything you need to know about products, systems and services.

## Product Selection Using the Offline Mall of Industry




Detailed information together with convenient interactive functions:
The Offline Mall CA 01 covers more than 80,000 products and thus provides a full summary of the Siemens Industry Automation and Drive Technologies product base.

Here you will find everything that you need to solve tasks in the fields of automation, switchgear, installation and drives.
All information is linked into a user interface which is easy to work with and intuitive.

After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information on the Offline Mall CA 01 can be found in the Internet under

http://www.siemens.com/automation/ca01

or on DVD.

## Easy Shopping with the Industry Mall




The Industry Mall is the virtual department store of Siemens AG in the Internet. Here you have access to a huge range of products presented in electronic catalogs in an informative and attractive way.

Data transfer via EDIFACT allows the whole procedure from selection through ordering to tracking of the order to be carried out online via the Internet.

Numerous functions are available to support you.

For example, powerful search functions make it easy to find the required products, which can be immediately checked for availability. Customer-specific discounts and preparation of quotes can be carried out online as well as order tracking and tracing.

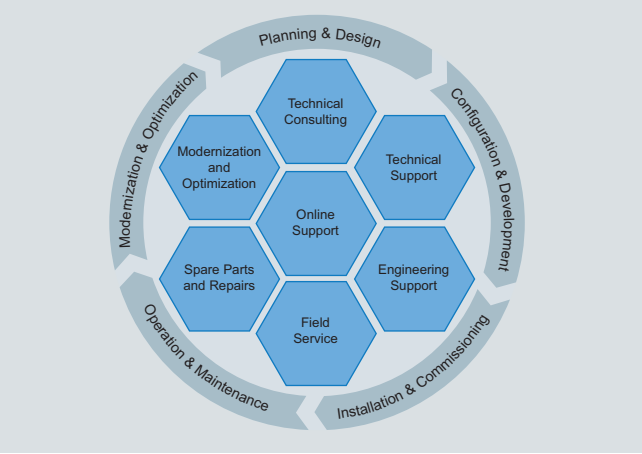
Please visit the Industry Mall on the Internet under:

http://www.siemens.com/automation/mall

© Siemens AG 2010



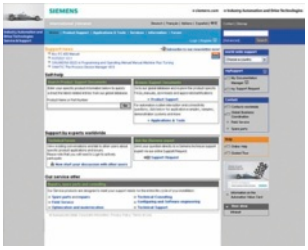
## Services covering the entire life cycle




Our Service & Support are available worldwide to help you with every aspect of Siemens automation and drive technology. We offer on-site support for every phase of the life cycle of your machines and plants in more than 100 countries. 24/7

Every step of the way, you have access to an experienced team of specialists and their combined expertise. Thanks to regular training and the close cooperation of key employees around the globe, we are able to offer reliable services for a huge range of options.

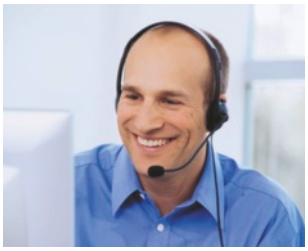
### Online Support



The comprehensive information system available round the clock via Internet ranging from Product Support and Service & Support services to Support Tools in the Shop.

http://www.siemens.com/automation/service&support

### Technical Support



Competent consulting in technical questions covering a wide range of customer-oriented services for all our products and systems.

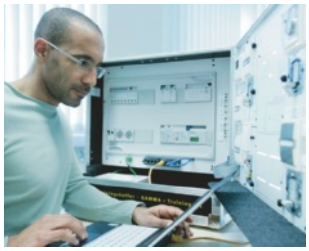
http://www.siemens.com/automation/support-request

### Technical Consulting



Support in the planning and designing of your project from detailed actual-state analysis, target definition and consulting on product and system questions right to the creation of the automation solution.

### Engineering Support



Support in configuring and developing with customer-oriented services from actual configuration to implementation of the automation project.

### Field Service



With Field Service, we offer services for startup and maintenance essential for ensuring system availability.

### Spare Parts and Repairs



In the operating phase of a machine or automation system, we provide a comprehensive repair and spare parts service ensuring the highest degree of plant availability.

### Optimization and Upgrading



After startup or during the operating phase, additional potential for inceasing the productiviy or for reducing costs often arises. For this purpose, we offer you high-quality services in optimization and upgrading.

You find contact details in the Internet under:
http://www.siemens.com/automation/service&support

© Siemens AG 2010



## Subject index

### Numerics

8HP single enclosures *8/9*
8WA mounting accessories *16/17*
8WH mounting accessories *16/10*

### A

Accessories
  8WA *16/13*
  8WH *16/3*
  for meter enclosures *8/38*
Actuating flaps *8/36*
Actuator terminals *11/71*
Adapters for individual inscription of 8WA labeling plates *16/4*
ALPHA 160 - DIN wall-mounted distribution boards *2/4*
ALPHA 400 - DIN wall-mounted distribution boards *3/2*
ALPHA 400-ZS meter cabinets *6/2*
ALPHA 630 - DIN floor-mounted distribution boards *4/2*, *5/2*
ALPHA 8HP molded-plastic distribution systems *8/2*
ALPHA assembly tools *2/12*, *3/27*
ALPHA BOX *7/1*
ALPHA FIX PRINT
  Printers *16/3*, *16/13*
  Printer labeling systems *16/3*, *16/13*
ALPHA FIX terminal blocks
  8WA accessories *16/13*
  8WA spring-loaded terminals *11/59*
  8WH accessories *16/3*
  8WH spring-loaded terminals *11/4*
  Combination plug-in terminals *14/2*
  Insulation displacement terminals *15/2*
  iPo plug-in terminals *12/2*
  Plug-in terminals *13/2*
  Screw terminals *10/2*
  Terminals with spring-loaded connection *11/2*
ALPHA SELECT *9/2*
Assembly kit front covers for measuring instruments *3/14*, *4/10*, *5/7*
Assembly kits
  for bus-mounting fuse bases *3/19*, *4/16*, *5/13*
  for horizontal terminal blocks *2/8*, *3/14*, *4/10*, *5/7*
  for in-line fuse switch disconnectors *4/16*, *5/13*
  for load break switches *8/24*
  for LV HRC fuse switch disconnectors *3/17*, *3/18*, *4/13*, *4/14*, *5/10*, *5/11*
  for meter mounting *3/22*, *4/19*, *5/16*
  for modular installation devices *2/7*, *3/13*, *4/9*, *5/6*
  for parallel switches *8/24*
  for SENTRON VL circuit-breakers *5/12*
  for SENTRON VL/VF circuit-breakers *3/19*, *4/15*
  for SR60 busbar systems, 60 mm *3/20*, *4/17*, *5/14*
  for unequipped distribution boards *2/7*, *3/12*, *4/9*, *5/6*
  for unequipped panels *2/9*, *3/16*, *4/12*, *5/9*
  for unequipped panels with deep-drawn cover, 40 mm *3/16*, *4/12*, *5/9*
  for vertical terminal blocks *3/14*, *4/10*, *5/7*
  with mounting plates *2/8*, *3/15*, *4/11*, *5/8*
Assembly tools *2/12*, *3/27*, *4/25*, *5/21*

### B

Barriers *10/12*, *10/16*, *10/18*, *10/21*, *10/24*, *10/29*, *11/65*, *11/67*
Base terminals *8/33*
Baseboards *8/44*
Bases for ALPHA 630 - DIN *4/20*, *5/17*
Blank labeling plates *10/16*
Blanking covers *4/16*, *5/13*, *8/37*
Blanking strips *1/6*, *1/9*, *1/11*, *2/12*, *3/27*, *4/24*, *5/20*
Bolt-type screw terminals *10/59*
  for cable lugs *8/28*
Branch terminals *10/13*
Bridging links *10/23*, *11/68*
Busbar assembly kits *8/30*
Busbar supports *3/17*, *3/18*, *3/25*, *4/13*, *4/14*, *4/23*, *5/10*, *5/11*, *5/19*, *8/27*, *8/29*
Bus-mounting fuse bases, assembly kits *3/19*, *4/16*, *5/13*

### C

Cabinet mounting lugs, flat *2/10*, *3/23*, *4/20*, *5/16*
Cable clamping rails *4/21*, *5/17*
Cable entries *8/34*
Cable entry plates *8/35*
Cable holders *3/27*, *4/24*, *5/20*
Cable space covers *8/41*
  Complete *8/43*
Circuit diagram pockets *3/24*, *4/21*, *5/17*
Circular conductors
  Terminating terminals *3/26*
Combination plug-in terminals *14/2*
Combs *10/58*
Compartment partitions *11/21*, *11/26*, *11/29*, *11/31*, *11/37*, *11/42*, *11/44*, *11/52*, *11/58*, *12/6*, *12/7*, *12/9*, *12/12*, *14/8*, *14/12*, *14/14*, *14/16*, *14/18*, *15/10*, *15/21*, *15/23*, *15/25*, *15/26*
Components for busbar systems *8/27*
Configuration *9/2*
Connecting brackets *8/42*
Connecting combs *16/11*
Connecting elements *1/9*
Connecting kits *8/37*
  IP43 / IP55 *3/27*, *4/24*, *5/20*
Connecting lugs *8/27*
Connection combs *10/29*
Connection modules *11/71*
Copper busbars *8/30*
  for special versions *8/30*
Corner covers *8/44*
Corner profiles *8/43*
Cover profiles *8/29*
Cover segments *11/21*, *11/29*, *11/31*, *11/42*, *12/6*, *14/8*, *14/12*, *15/10*, *15/22*, *15/25*, *15/26*
Covers *1/11*, *10/11*, *10/16*, *10/18*, *10/24*, *11/21*, *11/24*, *11/29*, *11/31*, *11/37*, *11/40*, *11/42*, *11/44*, *11/52*, *11/53*, *11/55*, *11/58*, *12/6*, *12/7*, *12/9*, *12/12*, *13/6*, *13/10*, *13/15*, *14/8*, *14/12*, *14/14*, *14/16*, *14/18*, *14/20*, *15/10*, *15/21*, *15/22*, *15/23*, *15/25*, *15/26*
  3NP1 123... NH000 *3/17*, *3/18*, *4/13*, *4/14*, *5/10*, *5/11*
  for fuse switch disconnectors *8/31*, *8/32*
  for link rails *10/14*, *10/28*
  for screw terminals *13/8*, *13/12*
  for three-tier terminals *11/39*
  Opaque *8/10*
  Transparent *8/10*
Cross arms *5/18*
Cu busbars *3/25*, *4/23*, *5/19*
Cylinder locks *1/8*

### D

Device labels *10/16*, *16/14*
DIAZED fuse enclosures *8/14*
DIAZED-/NEOZED screw-in fuse links
  Enclosures *8/13*
Diode terminals *10/19*, *10/21*, *10/50*, *11/41*
Distribution board panels *6/8*
  with S system *6/9*
Distribution boards
  with mounting plate *7/2*
  with steel sheet door *7/2*
Distribution boards with built-in distribution board panels *2/4*
Door hinges *3/26*, *4/24*, *5/20*
Door locking kits *1/6*
Door locks *1/6*
Double flanges *8/44*
Drop-down brackets, universal *5/18*

### E

EMERGENCY-STOP switches *8/22*
Empty enclosures
  8HP *8/9*
  Complete *8/10*
Enclosures
  Accessories *8/34*
  Bases *8/10*
  for modular installation devices with snap-on mounting *8/11*
  with DIAZED/NEOZED screw-in fuses 25 A and 63 A *8/13*
  with LV HRC fuse bases *8/15*
  with main and EMERGENCY-STOP switches, 63 A ... 800 A *8/21*
  with switch disconnectors with fuses, 63 A ... 250 A *8/23*
Enclosures with fuse switch disconnectors, 160 A ... 630 A *8/17*
End cover plates *8/34*
End labeling plates *16/16*
End plates *10/18*, *10/20*
End retainers *16/17*
  Steel *16/17*
  Thermoplastic *10/11*, *10/16*
  with screw fixing *16/17*
Extension terminals *8/29*
Extra-deep brackets *3/27*, *4/25*, *5/18*, *5/20*
Eyebolts *4/25*

© Siemens AG 2010



## F

Feeder terminals *11/71*
for neutral busbars *10/14*, *10/16*, *13/10*, *13/15*
Flanges *1/11*, *2/10*, *3/24*, *4/20*, *5/16*
2-component *2/10*
Flanges for cable entry, 2-component *1/11*
Flat clamps *10/64*
Flat pack, ALPHA 400 - DIN *3/6*
Flat terminals *10/61*
Floor-mounted distribution boards, ALPHA 630 - DIN *4/2*, *5/2*
Fluid cartridges for ALPHA FIX PRINT printers *16/3*, *16/13*
Flush-mounting distribution boards *1/3*, *1/8*
Unequipped distribution boards *2/5*, *3/9*
with quick-assembly kits *2/4*
For SR60 busbar systems, 60 mm, assembly kits *3/20*, *4/17*, *5/14*
Four-tier motor terminals *11/39*
Front covers *8/44*
Closed *4/25*, *5/21*
Supports *2/12*, *3/25*, *4/24*, *4/26*, *5/19*, *5/22*
with cutout *4/25*, *5/21*
Fuse enclosures
DIAZED *8/14*
NEOZED *8/14*
Fuse switch disconnectors *8/31*, *8/32*
Assembly kits *3/17*, *3/18*, *4/13*, *4/14*, *5/10*, *5/11*
Enclosures *8/17*
Mounting *2/9*
Fuse terminals *10/23*, *10/42*, *11/24*, *11/68*

## G

G fuse links *10/23*, *11/68*
Grip ends *8/35*
Grounding terminal strips *1/11*
Group labels *16/16*

## H

High-current PE terminals *10/54*
High-current terminals *10/54*
Hinged lids with tension spring *8/36*
Holders
for PE/N bars *8/29*
for standard mounting rails *8/29*
Hollow-wall distribution boards *1/3*
Hollow-wall sets *2/10*, *3/23*
Hood-type distribution boards *1/4*
Hybrid isolating blade terminals *14/15*
Hybrid isolating terminals *14/16*
Hybrid through-type PE terminals *11/22*, *14/8*, *15/11*
Hybrid through-type terminals *11/22*, *14/8*, *15/11*
Hybrid two-tier PE terminals *14/13*
Hybrid two-tier terminals *14/13*

## I

Incoming and outgoing terminals *8/27*, *8/28*
Individual components, empty enclosures *8/10*
Initiator terminals *11/71*
Initiator/actuator terminals *11/70*
In-line fuse switch disconnectors, assembly kits *4/16*, *5/13*
Inner partitions *1/11*
Insertion profiles *10/58*
Insta terminals *10/15*
Installation terminals *13/12*
Instrument isolating terminals *10/28*
Insulation carriers *8/37*, *16/18*
for insulated mounting of support rails *10/16*
Insulation displacement terminals *15/2*
Insulation plates *10/12*, *10/18*, *10/28*, *11/65*, *11/67*
Insulation stops *11/71*
Intermediate covering strips *8/37*
Intermediate frames *8/10*
iPo plug-in terminals *12/2*
ISO meter support plates *8/38*
Iso supports *5/18*
Isolating blade terminals *10/44*, *11/27*, *12/6*, *15/24*
Compact *11/52*
Isolating terminals *10/21*, *10/27*, *10/45*, *11/29*, *12/8*, *15/25*
Compact *11/54*

## J

Joining sheets *8/43*
Jumpers *10/12*, *10/18*, *10/28*, *11/65*, *11/67*, *11/69*
PE/N function *11/65*

## L

Label holders *10/14*, *11/67*, *16/17*
for three-tier terminals *11/39*
Labeling plates
Customized inscriptions *16/16*
Flat *16/5*, *16/6*, *16/7*, *16/8*, *16/9*
for cables *16/16*
for individual wires *16/14*
for manual inscription *16/15*
for plotter inscription *16/4*, *16/14*
Front *16/5*, *16/6*, *16/7*, *16/8*, *16/9*
Type 847/848 *16/16*
Type 860/861 *16/15*
Labeling plates for labeling
8WA terminal blocks using the ALPHA FIX PRINT printer *16/13*
8WH terminal blocks using the ALPHA FIX PRINT printer *16/3*
Labeling strips *10/29*
Labeling system
Plotters *16/4*, *16/14*
Printers *16/3*, *16/13*
Standard *16/5*, *16/15*
Latches *14/24*
Lateral mounting test plugs *11/29*, *11/58*, *15/10*, *15/23*, *15/25*, *15/26*, *16/10*
Lateral profiles *8/43*
Link rails *10/12*, *10/16*, *10/18*, *10/23*, *10/24*, *10/29*, *10/64*, *11/65*, *11/67*, *11/69*
Links *10/11*, *10/18*, *10/60*
Load break switches, assembly kits *8/24*
Locking systems *2/10*, *3/23*, *4/21*, *5/17*
Longitudinal stays *2/7*, *3/12*, *4/5*, *4/8*, *4/26*, *5/22*
LV HRC fuse bases, enclosures *8/15*

## M

Main and EMERGENCY-STOP switches, enclosures *8/21*
Main switches *8/22*
Marshaling boxes *4/8*
Masking frames *5/18*
Measuring instruments *8/37*
Measuring transformer terminals *10/25*
Meter enclosures *8/20*
Meter mounting, assembly kits *3/22*, *4/19*, *5/16*
Modular distribution boards *5/4*
Modular installation devices
Assembly kits *2/7*, *3/13*, *4/9*, *5/6*
Enclosures *8/11*
Quick-assembly kits *2/6*, *3/10*
Molded-plastic distribution systems, ALPHA 8HP *8/2*
Molded-plastic partitions *8/33*
Mounting accessories *8/37*
Mounting brackets *16/18*
Mounting of fuse switch disconnectors *2/9*
Mounting plates *8/10*, *8/35*
Assembly kits *2/8*, *3/15*, *4/11*, *5/8*
Cabinet-high *3/15*, *4/11*, *5/8*
for telecommunication units *3/25*
Mounting rails *8/36*

## N

N terminals *1/5*, *2/11*, *3/26*
N/N terminals *1/5*, *2/12*, *3/26*
N/PE bars *2/11*, *3/25*, *4/24*, *5/19*
as plug-in terminals *2/11*, *3/26*, *4/24*, *5/19*
N/PE terminal strips *1/5*, *1/8*, *1/11*
N/PE terminals *1/5*, *2/11*, *3/26*
NEOZED fuse enclosures *8/14*
Neutral busbars *10/67*, *13/10*, *13/12*, *13/15*
6 × 6 mm *10/14*, *10/16*
Neutral conductor terminal strips *1/11*
Neutral isolating terminals *10/13*, *13/9*
with screw terminals *13/11*
Nuts *8/42*, *8/44*

## O

Ordering large quantities *4/25*, *5/21*

© Siemens AG 2010



## Subject index

### P


Paint spray cans *2/10*, *3/24*, *4/20*, *5/17*
Paint sticks *2/10*, *3/24*, *4/20*, *5/17*
Parallel switches, assembly kits *8/24*
Partitions *1/6*, *1/11*, *2/11*, *3/27*, *4/23*, *5/18*, *5/20*, *8/27*, *10/60*, *10/64*
PE plugs *14/21*
  without slot for comb *14/23*
PE terminals *1/5*, *2/11*, *3/26*
PE two-tier terminals *11/32–11/36*, *15/22*
  Compact *11/56*
Permanent links *10/58*
Planning *9/2*
Platform concept *3/4*
Plotter labeling systems *16/4*, *16/14*
Plotters *16/4*, *16/14*
Plug-in connectors *14/19*
Plug-in PE connectors *14/19*
Plug-in terminals *13/2*
Plug-in zone connectors *11/31*, *11/55*, *12/10*, *14/18*, *15/27*
  for isolating terminals *16/12*
Plugs *11/65*, *11/67*, *11/69*, *14/21*
  for components *10/22*
  without slot for comb *14/23*
Printers, ALPHA FIX PRINT *16/3*, *16/13*
Printer labeling system, ALPHA FIX PRINT *16/3*, *16/13*
Profile semicylinders *2/10*, *3/23*
Protective caps *8/35*
Protective conductor busbars *10/30*, *11/58*, *13/16*, *14/24*, *15/28*


### Q


Quick-assembly kits *2/4*
  Combined *3/12*
  for fuse switch disconnectors *3/12*
  for modular installation devices *2/6*, *3/10*, *3/12*
  for telecommunications *6/9*
  for terminal blocks *3/12*
  for terminal blocks, modular installation devices and fuse switch disconnectors *3/12*
  for unequipped distribution boards *2/6*, *3/10*
  without wiring kits *6/10*
Quick-fit end retainers *10/60*, *16/10*
Quick-lock screws *4/25*, *5/20*
Quick-release cover locks *8/35*


### R


Rain guards *8/39*
RCCB terminals *1/5*
Reducing combs *16/10*
Reduction plugs *16/18*
Replacement door hinges *3/26*, *4/24*, *5/20*
Retaining plates *11/65*, *11/67*
Rubber cable entries *8/34*, *8/35*


### S


Safety cylinder locks *1/11*
Screw terminals *10/2*
Screwdrivers *16/11*
  for 8WA2 *16/18*
Screws *5/18*, *8/42*, *8/44*
Screws for cover hinges *8/35*
Sealing caps *8/38*
Sealing fasteners *8/38*
Sealing frames *8/34*
Self-tapping screws *8/35*
SENTRON VL circuit-breakers, assembly kits *5/12*
SENTRON VL/VF circuit-breakers, assembly kits *3/19*, *4/15*
Separating tools *8/39*
Shield terminals *10/65*
Side panels *8/44*
Side supports *8/43*
Siemens nameplates *2/10*, *3/24*, *4/21*, *5/17*
SIMBOX 63 small distribution boards *1/2*
SIMBOX LC small distribution boards *1/7*
SIMBOX WP small distribution boards *1/10*
Single operating mechanisms *8/38*
Sleeves *1/5*
Sliding-link terminals *11/69*
Small distribution boards
  SIMBOX 63 *1/2*
  SIMBOX LC *1/7*
  SIMBOX WP *1/10*
Spacer brackets *16/18*
Spacer plates *16/10*
Spacers *16/18*
Spare keys *4/24*, *5/20*
Standard labeling systems *16/5*, *16/15*
Standard mounting rail holders *4/26*, *5/22*
Standard mounting rails *8/36*, *16/17*
  15 mm *4/26*, *5/22*
  Lowered *2/12*, *3/28*, *4/25*, *5/21*
Strain relief cleats *8/35*
Strain reliefs *8/35*
Stud bolts *8/37*
Support brackets *8/27*, *10/67*, *13/6*, *13/10*, *13/15*
Support extensions *5/18*
Support profile extensions *8/42*
Support profiles *8/42*
Support racks *8/41*
Support rails *8/36*, *8/42*, *10/30*, *11/58*, *13/16*, *14/24*, *15/28*
Support struts *8/43*
Supporting feet *8/42*
Supports for front covers *2/12*, *3/25*, *4/24*, *4/26*, *5/19*, *5/22*
Surface-mounting distribution boards *1/8*, *1/10*
  IP43 *3/7*
  IP55 *3/8*
  Marshaling boxes *4/8*
  Unequipped distribution boards *2/5*, *3/6*, *3/7*, *3/8*, *4/5*
  with quick-assembly kits *2/4*
Switch disconnectors with fuses, enclosures *8/23*


### T


Tap-off terminals *10/58*
Terminal blocks, assembly kits *2/8*, *3/14*, *4/10*, *5/7*
Terminal strip labeling plates *16/16*
Terminal strip markers for end retainers *16/10*
Terminal strips *10/12*
Terminals *13/12*
  for circular conductors *3/26*, *4/24*, *5/20*
  for components *10/22*
  for fuse switch disconnectors *8/28*
  with red LED *10/20*
Terminals with spring-loaded connection *11/2*
  8WA *11/59*
  8WH *11/4*
Test adapters *13/10*, *13/15*, *16/10*
Test plugs *10/12*, *10/21*, *10/28*, *16/17*
Test sockets *10/12*, *10/18*, *10/28*, *16/18*
Three-tier terminals *10/15*
Through-type PE terminals *10/7–10/11*, *11/8–11/21*, *11/62–11/64*, *13/4*, *14/6*, *15/6*
  Compact *11/45*
  with screw terminals *13/7*
Through-type terminals *10/7*, *10/26*, *10/36*, *11/8*, *11/61*, *12/4*, *13/4*, *14/6*, *15/6*
  Compact *11/45*
  with screw terminals *13/7*
  with sectionalizing feature *10/21*
  with soldered and plug-in connection *10/24*
Tools *8/39*
Top covers *8/44*
Transformer terminals *10/29*
Transparent covers *8/10*
Two-tier diode terminals *10/52*, *11/42*
Two-tier terminals *10/17*, *10/46*, *11/32*, *11/66*, *12/10*, *15/22*
  Compact *11/56*
  with electronic components *10/19*
  with isolating blades *10/49*
  with isolating function *10/49*

© Siemens AG 2010



## U

Unequipped distribution boards
- ALPHA 160 - DIN *2/5*
- ALPHA 400 - DIN *3/6*
- ALPHA 400-ZS *6/6*
- ALPHA 630 - DIN *4/5*
- Assembly kits *2/7*, *3/12*, *4/9*, *5/6*
- Flat pack *3/6*
- Pre-assembled *3/7*
- Quick-assembly kits *2/6*, *3/10*

Unequipped panels, assembly kits *2/9*, *3/16*, *4/12*, *5/9*

## V

Ventilation panels *5/18*

## W

Wall anchors *1/5*
Wall mounting of distribution boards *8/39*
Wall-mounted distribution boards
- ALPHA 160 - DIN *2/2*
- ALPHA 400 - DIN *3/2*

Wall-mounting brackets *8/42*
Wall-mounting rails *2/10*, *3/23*
Warning covers *11/21*

## Z

Zener diode terminals *10/20*

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **3KE4** | | | | | | |
| **3KE42 30-0AA** | 8/24 | B | | 1 | 1 | 103 |
| **3KE43 30-0AA** | 8/24 | B | | 1 | 1 | 103 |
| **3KE44 30-0AA** | 8/24 | B | | 1 | 1 | 103 |
| **3NJ4** | | | | | | |
| **3NJ4 912-2AA00** | 4/16, 5/13 | A | | 1 | 1 | 143 |
| **3NJ4 912-2BA00** | 4/16, 5/13 | A | | 1 | 1 | 143 |
| **3NJ4 912-2CA00** | 4/16, 5/13 | A | | 1 | 1 | 143 |
| **3NP4** | | | | | | |
| **3NP4 015-1CK01** | 8/31 | A | | 1 | 1 | 103 |
| **3NP40 75-1CE01** | 8/31 | A | | 1 | 1 | 103 |
| **3NP40 75-1CF01** | 8/31 | A | | 1 | 1 | 103 |
| **3NP42 75-1CG01** | 8/32 | A | | 1 | 1 | 103 |
| **3NY7** | | | | | | |
| **3NY7 120** | 8/28 | A | | 1 | 1 | 103 |
| **3NY7 600** | 3/21, 4/18, 5/15 | B | | 1 | 1 | 103 |
| **3TX4** | | | | | | |
| **3TX4 210-0H** | 10/16, 16/16 | B | | 100 | 100 | 101 |
| **3TX4 210-0J** | 10/13, 10/14 | B | | 100 | 100 | 101 |
| **3TX4 210-0R** | 16/14 | D | | 100 | 380 | 101 |
| **5SH3** | | | | | | |
| **5SH3 536** | 3/21, 4/18, 5/15 | B | | 1 | 4/160 | 016 |
| **5SH3 537** | 3/22, 4/19, 5/15 | A | | 1 | 2 | 016 |
| **5SH3 540** | 3/25, 4/23, 5/19 | A | | 1 | 1 | 016 |
| **5ST1** | | | | | | |
| **5ST1 141** | 16/17 | B | | 1 | 20 | 020 |
| **5ST1 142** | 16/17 | B | | 1 | 10 | 020 |
| **5ST1 145** | 16/17 | B | | 1 | 20 | 020 |
| **8GB1** | | | | | | |
| **8GB1 111-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 111-2** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 111-3** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 112-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 113-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 121-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 121-2** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 121-3** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 122-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 123-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 311-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 312-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 313-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 321-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 322-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 323-1** | 1/8 | A | | 1 | 1 | 032 |
| **8GB1 371-0** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 371-1** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 371-2** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 371-3** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 372-2** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 372-3** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 373-3** | 1/10 | A | | 1 | 1 | 032 |
| **8GB1 374-3** | 1/10 | A | | 1 | 1 | 032 |
| **8GB2** | | | | | | |
| **8GB2 050-0** | 1/11 | B | | 1 | 1 | 032 |
| **8GB2 051-0** | 1/11 | B | | 1 | 20 | 032 |
| **8GB2 051-1** | 1/11 | B | | 1 | 20 | 032 |
| **8GB2 052-0** | 1/11 | A | | 1 | 10 | 032 |
| **8GB2 052-1** | 1/11 | A | | 1 | 10 | 032 |
| **8GB2 052-2** | 1/11 | A | | 1 | 10 | 032 |
| **8GB2 053-0** | 1/11 | B | | 1 | 10 | 032 |
| **8GB2 053-1** | 1/11 | B | | 1 | 10 | 032 |
| **8GB2 055-0** | 1/11 | B | | 1 | 10 | 032 |
| **8GB2 081-0** | 1/8 | A | | 1 | 1/50 | 032 |
| **8GB2 081-1** | 1/8 | A | | 1 | 1/50 | 032 |
| **8GB2 081-2** | 1/8 | A | | 1 | 1/50 | 032 |
| **8GB2 081-3** | 1/8 | A | | 1 | 1/50 | 032 |
| **8GB2 082-0** | 1/8 | B | | 1 | 10 | 032 |
| **8GB2 082-1** | 1/8 | B | | 1 | 10 | 032 |
| **8GB2 083-0** | 1/9 | B | | 1 | 8 | 032 |
| **8GB4** | | | | | | |
| **8GB4 100** | 1/5 | A | | 1 set | 1 set | 032 |
| **8GB4 378** | 1/6 | A | | 1 set | 1 set | 032 |
| **8GB4 381** | 1/6 | C | | 1 | 1 | 032 |
| **8GB4 382** | 1/6 | C | | 1 | 1 | 032 |
| **8GB4 383** | 1/6 | C | | 1 | 1 | 032 |
| **8GB4 576** | 1/5 | C | | 1 | 1 | 032 |
| **8GB4 577** | 1/6 | C | | 1 set | 1 set | 032 |
| **8GB4 584** | 1/5 | C | | 1 | 1 | 032 |
| **8GB4 671** | 1/6, 1/11 | A | | 1 | 1 | 032 |
| **8GB4 683** | 1/6, 1/9, 1/11 | A | | 1 | 1 | 032 |
| **8GB5** | | | | | | |
| **8GB5 651-1** | 1/3 | A | | 1 | 1/60 | 032 |
| **8GB5 652-1** | 1/3 | A | | 1 | 1/44 | 032 |
| **8GB5 653-1** | 1/3 | A | | 1 | 1/36 | 032 |
| **8GB5 654-1** | 1/3 | A | | 1 | 1/27 | 032 |
| **8GB5 671-1** | 1/3 | A | | 1 | 1/60 | 032 |
| **8GB5 672-1** | 1/3 | A | | 1 | 1/44 | 032 |
| **8GB5 673-1** | 1/3 | A | | 1 | 1/36 | 032 |
| **8GB5 674-1** | 1/3 | A | | 1 | 1/27 | 032 |
| **8GB5 761** | 1/4 | A | | 1 | 1/126 | 032 |
| **8GB5 762** | 1/4 | A | | 1 | 1/72 | 032 |
| **8GB5 763** | 1/4 | A | | 1 | 1/54 | 032 |
| **8GB5 775** | 1/4 | A | | 1 | 1/154 | 032 |
| **8GB5 776** | 1/4 | A | | 1 | 1/88 | 032 |
| **8GB5 777** | 1/4 | A | | 1 | 1/66 | 032 |
| **8GB5 778** | 1/4 | A | | 1 | 1/44 | 032 |
| **8GB5 785** | 1/4 | A | | 1 | 1 | 032 |
| **8GB5 786** | 1/4 | A | | 1 | 1 | 032 |
| **8GB5 787** | 1/4 | A | | 1 | 1 | 032 |
| **8GB6** | | | | | | |
| **8GB6 224** | 1/5 | A | | 1 | 1 | 032 |
| **8GB6 226** | 1/5 | A | | 1 | 1 | 032 |
| **8GB6 227** | 1/5 | A | | 1 | 1 | 032 |
| **8GD9** | | | | | | |
| **8GD9 084** | 2/10, 3/24, 4/21, 5/17 | A | | 1 | 1 | 042 |
| **8GD9 132** | 3/24, 4/21, 5/17 | A | | 1 | 1 | 042 |
| **8GD9 290** | 4/24, 5/20 | A | | 1 | 1 | 042 |
| **8GE3** | | | | | | |
| **8GE3 710-7** | 3/19 | B | | 1 | 1 | 042 |
| **8GE3 711-0** | 3/19 | C | | 1 | 1 | 042 |
| **8GE3 711-2** | 3/19 | C | | 1 | 1 | 042 |
| **8GE3 712-1** | 3/19 | C | | 1 | 1 | 042 |
| **8GE3 713-4** | 3/22, 4/19, 5/16 | B | | 1 | 1 | 042 |
| **8GF9** | | | | | | |
| **8GF9 318-2** | 8/29 | A | | 1 set | 10 sets | 042 |
| **8GF9 320-1** | 8/29 | A | | 1 set | 10 sets | 042 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GF9 324-2** | 10/13, 10/14, 10/16 | A | | 1 | 10 | 042 |
| **8GK1** | | | | | | |
| **8GK1 031-1KK11** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-1KK21** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-1KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-2KK11** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-2KK21** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-2KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-2KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-3KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 031-3KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 031-3KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-3KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-4KK11** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-4KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 031-4KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-4KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-5KK11** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-5KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 031-5KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 031-5KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-1KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-1KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-1KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-2KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-2KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-2KK31** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-2KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-3KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-3KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-3KK31** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-3KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-4KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-4KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-4KK31** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-4KK41** | 2/5 | C | | 1 | 1 | 039 |
| **8GK1 032-5KK11** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-5KK21** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-5KK31** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 032-5KK41** | 2/5 | A | | 1 | 1 | 039 |
| **8GK1 051-1KK11** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-1KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-1KK31** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-2KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-2KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-2KK31** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-2KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-3KK11** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-3KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-3KK31** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-3KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-4KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-4KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-4KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-4KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-5KK11** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 051-5KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-5KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 051-5KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 052-1KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-1KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-1KK31** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 052-2KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-2KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-2KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-2KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 052-3KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-3KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-3KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-3KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 052-4KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-4KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-4KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-4KK41** | 2/4 | C | | 1 | 1 | 039 |
| **8GK1 052-5KK11** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-5KK21** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-5KK31** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 052-5KK41** | 2/4 | A | | 1 | 1 | 039 |
| **8GK1 100-0KK04** | 5/5 | | | | | |
| **8GK1 102-2KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-2KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-2KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-2KK42** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-2KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-3KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-3KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-3KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-3KK42** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-3KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-4KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-4KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-4KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-4KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-4KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-5KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-5KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-5KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-5KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-5KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 102-6KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-6KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-6KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-6KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-6KK52** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-7KK12** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-7KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-7KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-7KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 102-7KK52** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-2KK12** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-2KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-2KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-2KK42** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-2KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-3KK12** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-3KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-3KK32** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-3KK42** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-3KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-4KK12** | 3/6 | A | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK1 112-4KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-4KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-4KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-4KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-5KK12** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-5KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-5KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-5KK42** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-5KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-6KK12** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-6KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-6KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-6KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-6KK52** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-7KK12** | 3/6 | C | | 1 | 1 | 039 |
| **8GK1 112-7KK22** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-7KK32** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-7KK42** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 112-7KK52** | 3/6 | A | | 1 | 1 | 039 |
| **8GK1 121-3KK12** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-3KK22** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-3KK32** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-3KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-3KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-4KK12** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-4KK22** | 3/9 | A | | 1 | 1 | 039 |
| **8GK1 121-4KK32** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-4KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-4KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-5KK12** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-5KK22** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-5KK32** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-5KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-5KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-6KK12** | 3/9 | A | | 1 | 1 | 039 |
| **8GK1 121-6KK22** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-6KK32** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-6KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-6KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-7KK12** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-7KK22** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-7KK32** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-7KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 121-7KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 122-2KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-2KK22** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-2KK32** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-2KK42** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-2KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-3KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-3KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-3KK32** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-3KK42** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-3KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-4KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-4KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-4KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-4KK42** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-4KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-5KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-5KK22** | 3/7 | A | | 1 | 1 | 039 |

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK1 122-5KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-5KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-5KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-6KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-6KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-6KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-6KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-6KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-7KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 122-7KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-7KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-7KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 122-7KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 123-4KK12** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-4KK22** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-4KK32** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-4KK42** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-4KK52** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-5KK12** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-5KK22** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-5KK32** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-5KK42** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-5KK52** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-6KK12** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-6KK22** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-6KK32** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-6KK42** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-6KK52** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 123-7KK12** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-7KK22** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-7KK32** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-7KK42** | 3/8 | A | | 1 | 1 | 039 |
| **8GK1 123-7KK52** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 131-3KK12** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 131-3KK22** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 131-3KK32** | 3/9 | A | | 1 | 1 | 039 |
| **8GK1 131-3KK42** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 131-3KK52** | 3/9 | C | | 1 | 1 | 039 |
| **8GK1 131-4KK12** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-4KK22** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-4KK32** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-4KK42** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-4KK52** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-5KK12** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-5KK22** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-5KK32** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-5KK42** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-5KK52** | 3/9, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 131-6KK12** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-6KK22** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-6KK32** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-6KK42** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-6KK52** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-7KK12** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-7KK22** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-7KK32** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-7KK42** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 131-7KK52** | 3/9, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 132-2KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-2KK22** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-2KK32** | 3/7 | C | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK1 132-2KK42** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-2KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-3KK12** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-3KK22** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-3KK32** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-3KK42** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-3KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-4KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-4KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-4KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-4KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-4KK52** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-5KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-5KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-5KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-5KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-5KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-6KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-6KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-6KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-6KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-6KK52** | 3/7 | C | | 1 | 1 | 039 |
| **8GK1 132-7KK12** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-7KK22** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-7KK32** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-7KK42** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 132-7KK52** | 3/7 | A | | 1 | 1 | 039 |
| **8GK1 133-4KK12** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-4KK22** | 3/8, 6/6 | A | | 1 | 1 | 039 |
| **8GK1 133-4KK32** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-4KK42** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-4KK52** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-5KK12** | 3/8, 6/6 | A | | 1 | 1 | 039 |
| **8GK1 133-5KK22** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-5KK32** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-5KK42** | 3/8, 6/6 | C | | 1 | 1 | 039 |
| **8GK1 133-5KK52** | 3/8 | C | | 1 | 1 | 039 |
| **8GK1 133-6KK12** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-6KK22** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-6KK32** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-6KK42** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-6KK52** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-7KK12** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-7KK22** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-7KK32** | 3/8, 6/7 | A | | 1 | 1 | 039 |
| **8GK1 133-7KK42** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 133-7KK52** | 3/8, 6/7 | C | | 1 | 1 | 039 |
| **8GK1 302-8KK12** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 302-8KK22** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 302-8KK32** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 302-8KK42** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 302-8KK52** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 312-8KK12** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 312-8KK22** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 312-8KK32** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 312-8KK42** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 312-8KK52** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 322-8KK12** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 322-8KK22** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 322-8KK32** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 322-8KK42** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 322-8KK52** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 323-8KN13** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN14** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN23** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN24** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN33** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN34** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN43** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN44** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN53** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KN54** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP13** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP14** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP23** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP24** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP33** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP34** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP43** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP44** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP53** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 323-8KP54** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 332-8KK12** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 332-8KK22** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 332-8KK32** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 332-8KK42** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 332-8KK52** | 4/5 | A | | 1 | 1 | 039 |
| **8GK1 333-8KN13** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN14** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN23** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN24** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN33** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN34** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN43** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN44** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN53** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 333-8KN54** | 4/6 | C | | 1 | 1 | 039 |
| **8GK1 382-0KK12** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 382-0KK22** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 382-0KK32** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 382-0KK42** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 382-0KK52** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK13** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK14** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK23** | 4/8 | A | | 1 | 1 | 039 |
| **8GK1 383-0KK24** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK33** | 4/8 | A | | 1 | 1 | 039 |
| **8GK1 383-0KK34** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK43** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK44** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK53** | 4/8 | C | | 1 | 1 | 039 |
| **8GK1 383-0KK54** | 4/8 | A | | 1 | 1 | 039 |
| **8GK1 423-8KK15** | 5/4 | C | | 1 | 1 | 039 |
| **8GK1 423-8KK25** | 5/4 | C | | 1 | 1 | 039 |
| **8GK1 423-8KK35** | 5/4 | C | | 1 | 1 | 039 |
| **8GK1 423-8KK45** | 5/4 | C | | 1 | 1 | 039 |
| **8GK1 423-8KK55** | 5/4 | C | | 1 | 1 | 039 |
| **8GK4** | | | | | | |
| **8GK4 001-3KK11** | 2/6 | B | | 1 | 1 | 039 |
| **8GK4 001-4KK11** | 2/6, 3/10 | A | | 1 | 1 | 039 |
| **8GK4 001-4KK22** | 3/10 | A | | 1 | 1 | 039 |
| **8GK4 001-5KK11** | 2/6, 3/10 | A | | 1 | 1 | 039 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK4 001-5KK22** | 3/10 | A | | 1 | 1 | 039 |
| **8GK4 001-6KK11** | 2/6, 3/10, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 001-6KK22** | 3/10, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 001-7KK11** | 2/6, 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 001-7KK22** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 001-8KK12** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 001-8KK22** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 002-8KK12** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 002-8KK22** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 003-6KK11** | 3/10, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 003-7KK11** | 3/11, 6/8 | B | | 1 | 1 | 039 |
| **8GK4 003-8KK12** | 3/11, 6/8 | ► | | 1 | 1 | 039 |
| **8GK4 003-8KK13** | 3/11, 6/8 | A | | 1 | 1 | 039 |
| **8GK4 051-3KK11** | 2/6 | A | | 1 | 1 | 039 |
| **8GK4 051-4KK11** | 2/6 | B | | 1 | 1 | 039 |
| **8GK4 051-5KK11** | 2/6 | B | | 1 | 1 | 039 |
| **8GK4 051-6KK11** | 2/6, 3/10 | A | | 1 | 1 | 039 |
| **8GK4 051-7KK11** | 2/6, 3/11 | A | | 1 | 1 | 039 |
| **8GK4 101-6KK22** | 3/10 | A | | 1 | 1 | 039 |
| **8GK4 101-7KK22** | 3/11 | A | | 1 | 1 | 039 |
| **8GK4 101-8KK12** | 3/11 | A | | 1 | 1 | 039 |
| **8GK4 101-8KK22** | 3/11 | A | | 1 | 1 | 039 |
| **8GK4 102-8KK12** | 3/11 | B | | 1 | 1 | 039 |
| **8GK4 102-8KK22** | 3/11 | A | | 1 | 1 | 039 |
| **8GK4 103-6KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 103-7KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 103-8KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 104-8KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-6KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-6KK22** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-7KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-7KK22** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-8KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 105-8KK22** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 106-8KK12** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 106-8KK22** | 3/12 | B | | 1 | 1 | 039 |
| **8GK4 107-6KK12** | 6/8 | A | | 1 | 1 | 039 |
| **8GK4 301-2KK11** | 2/7 | B | | 1 | 1 | 039 |
| **8GK4 301-2KK12** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 301-2KK21** | 2/7 | B | | 1 | 1 | 039 |
| **8GK4 301-2KK22** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 301-3KK11** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 301-3KK12** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 301-3KK21** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 301-3KK22** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 301-4KK11** | 2/7 | B | | 1 | 1 | 039 |
| **8GK4 301-4KK12** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 301-4KK21** | 2/7 | B | | 1 | 1 | 039 |
| **8GK4 301-4KK22** | 3/13 | A | | 1 | 1 | 039 |
| **8GK4 351-1KK11** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-1KK12** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-1KK21** | 2/7 | B | | 1 | 1 | 039 |
| **8GK4 351-1KK22** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-1KK32** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-2KK11** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-2KK12** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-2KK21** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-2KK22** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-2KK32** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-3KK11** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-3KK12** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK4 351-3KK21** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-3KK22** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-3KK32** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-4KK11** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-4KK12** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-4KK21** | 2/7 | A | | 1 | 1 | 039 |
| **8GK4 351-4KK22** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 351-4KK32** | 3/13, 4/9, 5/6 | A | | 1 | 1 | 039 |
| **8GK4 401-1KK11** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 401-1KK12** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 401-1KK21** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 401-2KK11** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 401-2KK12** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 401-2KK21** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 401-2KK22** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 401-2KK32** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 401-3KK22** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 401-3KK32** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-2KK12** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-2KK22** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-2KK32** | 3/14, 4/10, 5/7 | B | | 1 | 1 | 039 |
| **8GK4 402-3KK12** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-3KK22** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-3KK32** | 3/14, 4/10, 5/7 | B | | 1 | 1 | 039 |
| **8GK4 402-4KK12** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-4KK22** | 3/14, 4/10, 5/7 | A | | 1 | 1 | 039 |
| **8GK4 402-4KK32** | 4/10, 5/7 | B | | 1 | 1 | 039 |
| **8GK4 451-2KK11** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 451-2KK12** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-2KK22** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-2KK32** | 3/15, 4/11, 5/8 | B | | 1 | 1 | 039 |
| **8GK4 451-3KK11** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 451-3KK12** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-3KK22** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-3KK32** | 3/15, 4/11, 5/8 | B | | 1 | 1 | 039 |
| **8GK4 451-4KK11** | 2/8 | A | | 1 | 1 | 039 |
| **8GK4 451-4KK12** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-4KK22** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 451-4KK32** | 3/15, 4/11, 5/8 | A | | 1 | 1 | 039 |
| **8GK4 500-2KK20** | 3/14, 4/10, 5/7 | C | | 1 | 1 | 039 |
| **8GK4 501-0KK12** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-0KK22** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-1KK11** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-1KK12** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-1KK21** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-1KK22** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-1KK32** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK11** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK12** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK13** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK21** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK22** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK23** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK32** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-2KK33** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |
| **8GK4 501-3KK11** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK12** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK13** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK21** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK22** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK23** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK4 501-3KK32** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-3KK33** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |
| **8GK4 501-4KK11** | 2/9 | A | | 1 | 1 | 039 |
| **8GK4 501-4KK12** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-4KK21** | 2/9 | B | | 1 | 1 | 039 |
| **8GK4 501-4KK22** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-4KK32** | 3/16, 4/12, 5/9 | A | | 1 | 1 | 039 |
| **8GK4 501-5KK12** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |
| **8GK4 501-5KK22** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |
| **8GK4 501-5KK32** | 3/16, 4/12, 5/9 | B | | 1 | 1 | 039 |
| **8GK4 550-2KK12** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 550-2KK22** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 550-3KK12** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 550-3KK22** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 551-3KK12** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 551-3KK22** | 3/17, 4/13, 5/10 | A | | 1 | 1 | 039 |
| **8GK4 650-2KK12** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 650-2KK22** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 650-3KK12** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 650-3KK22** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 651-3KK12** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 651-3KK22** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 652-3KK12** | 3/18, 4/14, 5/11 | A | | 1 | 1 | 039 |
| **8GK4 701-2KK12** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 701-3KK12** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 702-4KK12** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 703-4KK13** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 704-4KK13** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 705-4KK25** | 5/12 | A | | 1 | 1 | 039 |
| **8GK4 707-3KK17** | 4/15, 5/12 | C | | 1 | 1 | 039 |
| **8GK4 707-4KK27** | 4/15, 5/12 | C | | 1 | 1 | 039 |
| **8GK4 720-3KK10** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 720-5KK10** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 721-3KK10** | 3/19, 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 721-4KK20** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 722-3KK10** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 722-4KK10** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 723-4KK10** | 4/15, 5/12 | A | | 1 | 1 | 039 |
| **8GK4 751-4KK13** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 751-4KK23** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 751-4KK33** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 752-5KK15** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 752-5KK25** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 752-5KK35** | 4/16, 5/13 | A | | 1 | 1 | 039 |
| **8GK4 801-2KK12** | 3/19, 4/17, 5/14 | A | | 1 | 1 | 039 |
| **8GK4 801-2KK13** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 801-2KK23** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 801-2KK33** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 801-3KK12** | 3/19, 4/17, 5/14 | A | | 1 | 1 | 039 |
| **8GK4 801-3KK13** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 801-3KK23** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 801-3KK33** | 3/21, 4/18, 5/15 | A | | 1 | 1 | 039 |
| **8GK4 851-3KK00** | 2/7 | A | | 1 set | 1 set | 039 |
| **8GK4 851-4KK00** | 2/7, 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 851-5KK00** | 2/7, 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 851-6KK00** | 2/7, 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 851-7KK00** | 2/7, 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 851-8KK00** | 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 852-8KK00** | 3/12 | A | | 1 set | 1 set | 039 |
| **8GK4 853-0KK20** | 4/21, 5/18 | C | | 1 | 2 | 039 |
| **8GK4 853-0KK30** | 4/21, 5/18 | C | | 1 | 2 | 039 |
| **8GK4 853-8KK00** | 4/5 | A | | 1 set | 1 set | 039 |
| **8GK4 853-8KK01** | 4/26, 5/22 | A | | 1 set | 1 set | 039 |
| **8GK4 853-8KK02** | 4/7, 5/4 | C | | 1 set | 1 set | 039 |
| **8GK4 855-2KK02** | 4/8 | A | | 1 set | 1 set | 039 |
| **8GK9** | | | | | | |
| **8GK9 000-0KK02** | 2/10 | A | | 1 | 1 | 039 |
| **8GK9 001-3KK01** | 2/11 | A | | 1 | 1 | 039 |
| **8GK9 001-4KK01** | 2/11 | B | | 1 | 1 | 039 |
| **8GK9 001-5KK01** | 2/11 | B | | 1 | 1 | 039 |
| **8GK9 001-6KK01** | 2/11 | A | | 1 | 1 | 039 |
| **8GK9 001-7KK01** | 2/11 | A | | 1 | 1 | 039 |
| **8GK9 002-0KK10** | 2/11 | A | | 1 | 1 | 039 |
| **8GK9 100-0KK00** | 3/24, 4/20, 5/16 | A | | 1 | 1 | 039 |
| **8GK9 100-0KK01** | 3/24, 4/20, 5/16 | A | | 1 | 1 | 039 |
| **8GK9 100-0KK02** | 3/24, 4/20, 5/16 | A | | 1 | 1 | 039 |
| **8GK9 100-0KK03** | 3/24, 4/20, 5/16 | A | | 1 | 1 | 039 |
| **8GK9 100-0KK04** | 4/20, 5/16 | C | | 1 | 1 | 039 |
| **8GK9 100-0KK10** | 3/24, 4/20, 5/16 | A | | 1 | 1 | 039 |
| **8GK9 101-4KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 101-5KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 101-6KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 101-7KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 101-8KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 102-8KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 103-0KK10** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 103-0KK20** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 103-0KK30** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 110-0KK00** | 5/5 | | | | | |
| **8GK9 120-0KK30** | 5/18 | A | | 1 | 4 | 038 |
| **8GK9 301-2KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK9 301-3KK01** | 3/27, 4/23, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 520-0KK03** | 4/7 | A | | 1 set | 1 set | 039 |
| **8GK9 520-0KK05** | 5/4 | C | | 1 | 1 | 039 |
| **8GK9 520-0KK10** | 4/22 | C | | 1 | 1 | 039 |
| **8GK9 520-0KK20** | 4/22 | C | | 1 | 1 | 039 |
| **8GK9 520-0KK30** | 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 520-8KK00** | 4/22 | C | | 1 | 1 | 039 |
| **8GK9 521-8KK00** | 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 531-4KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-4KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-5KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-5KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-6KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-6KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-7KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-7KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-8KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 531-8KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 532-8KK10** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 532-8KK20** | 3/15 | C | | 1 | 1 | 039 |
| **8GK9 533-0KK10** | 4/11, 5/8 | C | | 1 | 1 | 039 |
| **8GK9 533-0KK20** | 4/11, 5/8 | C | | 1 | 1 | 039 |
| **8GK9 533-0KK30** | 4/11, 5/8 | C | | 1 | 1 | 039 |
| **8GK9 533-0KK40** | 4/11, 5/8 | C | | 1 | 1 | 039 |
| **8GK9 533-0KK50** | 4/11, 5/8 | C | | 1 | 1 | 039 |
| **8GK9 560-0KK03** | 4/21, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 560-0KK04** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 560-0KK05** | 3/23 | C | | 1 set | 1 set | 039 |
| **8GK9 560-0KK06** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 560-0KK07** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 560-0KK08** | 2/10, 3/23 | C | | 1 | 1 | 039 |
| **8GK9 560-0KK10** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 560-0KK13** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 561-0KK00** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 561-0KK01** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 561-0KK02** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 601-0KK10** | 4/25, 5/21 | C | | 1 | 10 | 039 |
| **8GK9 601-1KK10** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-1KK11** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-1KK20** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-1KK21** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-1KK30** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-1KK31** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK10** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK11** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK20** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK21** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK30** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-2KK31** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK10** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK11** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK20** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK21** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK30** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-3KK31** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK10** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK11** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK20** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK21** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK30** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 601-4KK31** | 4/25, 5/21 | A | | 1 | 10 | 039 |
| **8GK9 650-0KK00** | 3/17, 3/18, 3/25, 4/13, 4/14, 4/23, 5/10, 5/11, 5/19 | A | | 1 | 1 | 039 |
| **8GK9 711-0KK03** | 3/17, 3/18, 3/25, 4/13, 4/14, 4/23, 5/10, 5/11, 5/19 | A | | 1 | 1 | 039 |
| **8GK9 720-0KK00** | 5/5 | C | | 1 | 1 | 039 |
| **8GK9 720-0KK01** | 5/5 | C | | 1 | 1 | 039 |
| **8GK9 721-0KK00** | 5/5 | C | | 1 | 1 | 039 |
| **8GK9 731-0KK10** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 731-0KK20** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 731-0KK30** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 731-0KK40** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 731-0KK50** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 733-0KK10** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 733-0KK20** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 733-0KK30** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 733-0KK40** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 733-0KK50** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 735-0KK10** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 735-0KK20** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 735-0KK30** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 735-0KK40** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 735-0KK50** | 3/25, 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 736-0KK10** | 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 736-0KK20** | 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 736-0KK30** | 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 736-0KK40** | 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 736-0KK50** | 4/23, 5/19 | A | | 1 | 5 | 039 |
| **8GK9 900-0KK13** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK14** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK23** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK24** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK33** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK34** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK43** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK44** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK53** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 900-0KK54** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 901-0KK12** | 4/20 | C | | 1 | 1 | 039 |
| **8GK9 901-0KK22** | 4/20 | A | | 1 | 1 | 039 |
| **8GK9 901-0KK32** | 4/20 | A | | 1 | 1 | 039 |
| **8GK9 901-0KK42** | 4/20 | A | | 1 | 1 | 039 |
| **8GK9 901-0KK52** | 4/20 | B | | 1 | 1 | 039 |
| **8GK9 902-0KK00** | 5/5 | C | | 1 | 1 | 039 |
| **8GK9 902-0KK13** | 5/5, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 902-0KK23** | 5/5, 5/17 | C | | 1 | 1 | 039 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GK9 902-0KK33** | 5/5, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 902-0KK43** | 5/5, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 902-0KK53** | 5/5, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 910-0KK00** | 2/12, 3/27, 4/24, 5/20 | A | | 1 | 10 | 039 |
| **8GK9 910-0KK01** | 2/12, 3/27, 4/24, 5/20 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK10** | 2/11, 3/25, 4/24, 5/19 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK11** | 2/11, 3/26, 4/24, 5/19 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK12** | 2/11, 3/26, 4/24, 5/19 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK15** | 2/10, 3/24 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK16** | 4/20, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK17** | 2/10, 3/24 | C | | 1 | 1 | 039 |
| **8GK9 910-0KK18** | 4/20, 5/17 | C | | 1 | 1 | 039 |
| **8GK9 910-0KK20** | 2/12 | A | | 1 set | 5 sets | 039 |
| **8GK9 910-0KK22** | 3/24, 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK23** | 3/24, 4/21, 5/17 | A | | 1 | 20 | 039 |
| **8GK9 910-0KK24** | 4/26, 5/22 | A | | 1 | 100 | 039 |
| **8GK9 910-0KK26** | 4/25, 5/20 | A | | 1 | 20 | 039 |
| **8GK9 910-0KK27** | 2/12, 3/27, 4/25, 5/21 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK28** | 2/10, 3/23 | A | | 1 set | 1 set | 039 |
| **8GK9 910-0KK30** | 3/25, 4/24, 5/19 | A | | 1 set | 5 sets | 039 |
| **8GK9 910-0KK31** | 4/26, 5/22 | A | | 1 | 100 | 039 |
| **8GK9 910-0KK34** | 3/27, 4/25, 5/20 | A | | 1 set | 1 set | 039 |
| **8GK9 910-0KK35** | 2/12, 3/28, 4/25, 5/21 | A | | 1 | 1 | 039 |
| **8GK9 910-0KK36** | 2/10, 3/23, 4/20, 5/16 | A | | 1 set | 5 sets | 039 |
| **8GK9 910-0KK37** | 2/10, 3/23, 4/20, 5/16 | A | | 1 set | 1 set | 039 |
| **8GK9 910-0KK40** | 2/12, 3/28, 4/25, 5/21 | C | | 1 set | 1 set | 039 |
| **8GK9 910-0KK41** | 2/12, 3/28, 4/25, 5/21 | C | | 1 set | 1 set | 039 |
| **8GK9 910-0KK80** | 3/27, 4/24, 5/20 | ► | | 1 | 200 | 039 |
| **8GK9 910-1KK10** | 4/26, 5/22 | A | | 1 | 10 | 039 |
| **8GK9 910-1KK20** | 4/26, 5/22 | A | | 1 | 10 | 039 |
| **8GK9 910-1KK30** | 4/26, 5/22 | A | | 1 | 10 | 039 |
| **8GK9 910-1KK40** | 4/26, 5/22 | A | | 1 | 10 | 039 |
| **8GK9 910-1KK50** | 4/26, 5/22 | A | | 1 | 10 | 039 |
| **8GK9 910-1KK81** | 4/26, 5/22 | A | | 1 set | 1 set | 039 |
| **8GK9 910-1KK83** | 4/26, 5/22 | A | | 1 set | 1 set | 039 |
| **8GK9 910-1KK84** | 4/26, 5/22 | A | | 1 set | 1 set | 039 |
| **8GK9 910-1KK85** | 4/26, 5/22 | A | | 1 set | 1 set | 039 |
| **8GK9 911-0KK00** | 3/27, 4/22, 5/18 | C | | 1 | 500 | 039 |
| **8GK9 911-0KK01** | 3/27, 4/22, 5/18 | C | | 1 | 10 | 039 |
| **8GK9 911-0KK02** | 3/28, 4/22, 5/18 | C | | 1 | 10 | 039 |
| **8GK9 911-0KK03** | 3/28, 4/22, 5/18 | C | | 1 | 100 | 039 |
| **8GK9 911-0KK04** | 3/28, 4/22, 5/18 | C | | 1 | 50 | 039 |
| **8GK9 911-0KK05** | 3/28, 4/22, 5/18 | C | | 1 | 50 | 039 |
| **8GK9 911-0KK06** | 3/28, 4/22, 5/18 | C | | 1 | 50 | 039 |
| **8GK9 911-0KK10** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 911-0KK20** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 911-0KK30** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 911-0KK40** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 911-0KK50** | 4/21, 5/17 | A | | 1 | 1 | 039 |
| **8GK9 912-0KK00** | 3/17, 3/18, 4/13, 4/14, 5/10, 5/11 | A | | 1 | 1 | 039 |
| **8GK9 912-0KK10** | 2/10, 3/23 | B | | 1 | 1 | 039 |
| **8GK9 912-0KK20** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 912-0KK30** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 912-0KK40** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 912-0KK50** | 2/10, 3/23 | A | | 1 | 1 | 039 |
| **8GK9 913-0KK10** | 4/21, 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 913-0KK20** | 4/21, 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 913-0KK30** | 4/21, 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 913-0KK40** | 4/21, 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 913-0KK50** | 4/21, 5/5, 5/18 | C | | 1 | 1 | 039 |
| **8GK9 918-0KK00** | 4/25, 5/5 | C | | 1 | 1 | 039 |
| **8GK9 920-0KK24** | 3/26, 4/24, 5/20 | A | | 1 set | 1 set | 038 |
| **8GK9 920-0KK31** | 3/27, 4/24, 5/20 | A | | 1 | 1 | 039 |
| **8GM1** | | | | | | |
| **8GM1 040-3KK30** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 050-3KK30** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 050-3KK40** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 050-4KK40** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 060-3KK40** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 060-4KK40** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 070-3KK50** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 070-4KK50** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 080-4KK60** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 080-5KK60** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 100-4KK60** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 100-5KK60** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 100-5KK80** | 7/4 | C | | 1 | 1 | 036 |
| **8GM1 120-5KK80** | 7/4 | C | | 1 | 1 | 036 |
| **8GS2** | | | | | | |
| **8GS2 013-7** | 6/10 | ► | | 1 | 1 | 043 |
| **8GS2 077-8** | 6/10 | ► | | 1 | 1 | 043 |
| **8GS2 078-0** | 6/10 | ► | | 1 | 1 | 043 |
| **8GS2 078-1** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 078-2** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 078-3** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 078-4** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 078-5** | 6/10 | ► | | 1 | 1 | 043 |
| **8GS2 082-1** | 6/10 | ► | | 1 | 1 | 043 |
| **8GS2 088-0** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-1** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-2** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-3** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-4** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-5** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-6** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 088-7** | 6/9 | A | | 1 | 1 | 043 |
| **8GS2 090-1** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 090-2** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 096-4** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 096-5** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 096-7** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 096-8** | 6/10 | A | | 1 | 1 | 043 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8GS2 097-0** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 097-2** | 6/10 | A | | 1 | 1 | 043 |
| **8GS2 097-5** | 6/10 | A | | 1 | 1 | 043 |
| **8GS4** | | | | | | |
| **8GS4 016-1** | 3/25, 6/9 | A | | 1 | 1 | 043 |
| **8GS4 016-2** | 3/25, 6/9 | A | | 1 | 1 | 043 |
| **8GS4 016-3** | 3/25, 6/9 | A | | 1 | 1 | 043 |
| **8GS4 016-4** | 3/25, 6/9 | A | | 1 | 1 | 043 |
| **8GS4 026-6** | 6/9 | A | | 1 | 1 | 043 |
| **8GS4 026-7** | 6/9 | A | | 1 | 1 | 043 |
| **8GS4 026-8** | 6/9 | A | | 1 | 1 | 043 |
| **8GS4 027-0** | 6/9 | A | | 1 | 1 | 043 |
| **8GS4 034-1** | 1/5, 2/11, 3/26 ▶ | | | 1 | 1 | 043 |
| **8GS4 034-2** | 1/5, 2/11, 3/26 ▶ | | | 1 | 1 | 043 |
| **8GS4 034-3** | 1/5, 2/11, 3/26 ▶ | | | 1 | 1 | 043 |
| **8GS4 034-4** | 1/5, 2/12, 3/26 ▶ | | | 1 | 1 | 043 |
| **8GS5** | | | | | | |
| **8GS5 000-0** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 000-1** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 000-2** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 000-3** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 000-4** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 001-0** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 001-1** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 001-2** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 001-3** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 001-4** | 6/6 | A | | 1 | 1 | 043 |
| **8GS5 002-0** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 002-1** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 002-2** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 002-3** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 002-4** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 003-0** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 003-1** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 003-2** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 003-3** | 6/7 | A | | 1 | 1 | 043 |
| **8GS5 003-4** | 6/7 | A | | 1 | 1 | 043 |
| **8GS6** | | | | | | |
| **8GS6 000-5** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 000-6** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 001-6** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 001-7** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 100-5** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 101-6** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 101-7** | 6/10 | A | | 1 | 1 | 043 |
| **8GS6 101-8** | 6/10 | A | | 1 | 1 | 043 |
| **8HA4** | | | | | | |
| **8HA4 14** | 8/36 | A | | 1 | 1 | 046 |
| **8HC3** | | | | | | |
| **8HC3 510** | 8/39 | A | | 1 | 1 | 046 |
| **8HC3 800** | 8/39 | A | | 1 | 1 | 046 |
| **8HC6 900** | 8/35 | A | | 1 | 1 | 046 |
| **8HE8** | | | | | | |
| **8HE8 541** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1** | | | | | | |
| **8HP1 101** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 102** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 103** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 104** | 8/10, 8/24 | A | | 1 | 1 | 046 |
| **8HP1 107** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 201** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 202** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 203** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 204** | 8/10, 8/24 | A | | 1 | 1 | 046 |
| **8HP1 212** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 221** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 222** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 223** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 224** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 227** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 232** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 247** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 257** | 8/20 | A | | 1 | 1 | 046 |
| **8HP1 283** | 8/10 | A | | 1 | 1 | 046 |
| **8HP1 284** | 8/10, 8/24 | A | | 1 | 1 | 046 |
| **8HP1 331** | 8/12 | A | | 1 | 1 | 046 |
| **8HP1 351** | 8/12 | A | | 1 | 1 | 046 |
| **8HP1 352** | 8/12 | A | | 1 | 1 | 046 |
| **8HP1 353** | 8/12 | A | | 1 | 1 | 046 |
| **8HP1 354** | 8/12 | A | | 1 | 1 | 046 |
| **8HP1 440** | 8/36 | A | | 1 | 1 | 046 |
| **8HP1 441** | 8/36 | A | | 1 | 1 | 046 |
| **8HP1 442** | 8/36 | A | | 1 | 1 | 046 |
| **8HP1 500** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 511-1** | 8/34 | ▶ | | 1 | 1 | 046 |
| **8HP1 512-1** | 8/34 | ▶ | | 1 | 1 | 046 |
| **8HP1 513-1** | 8/34 | ▶ | | 1 | 1 | 046 |
| **8HP1 520** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 525** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 530** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 541** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 542** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 701** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 703** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 704** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 706** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 707** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 708** | 8/27 | A | | 1 | 1 | 046 |
| **8HP1 724** | 8/28 | A | | 1 | 1 | 046 |
| **8HP1 728** | 8/29 | A | | 1 | 1 | 046 |
| **8HP1 783** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 784** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 785** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 786** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 790** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 791** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 793** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 794** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 795** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 796** | 8/30 | A | | 1 | 1 | 046 |
| **8HP1 805** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 806** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 807** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 808** | 8/34 | A | | 1 | 1 | 046 |
| **8HP1 810** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 811** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 813** | 8/35 | A | | 1 | 1 | 046 |
| **8HP1 815** | 8/38 | A | | 1 | 1 | 046 |
| **8HP1 816** | 8/38 | A | | 1 | 1 | 046 |
| **8HP1 898** | 8/40 | ▶ | | 1 | 1 | 046 |
| **8HP2** | | | | | | |
| **8HP2 001** | 8/10 | A | | 1 | 1 | 046 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8HP2 002** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 003** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 004** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 012** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 021** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 022** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 023** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 024** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 027** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 032** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 047** | 8/10 | A | | 1 | 1 | 046 |
| **8HP2 122** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 124** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 125** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 126** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 128** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 130** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 131** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 133** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 135** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 137** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 145** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 146** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 147** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 148** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 152** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 153** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 157** | 8/14 | A | | 1 | 1 | 046 |
| **8HP2 200-1** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 200-2** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 200-3** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 200-4** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 201-1** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 201-2** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 201-3** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 201-4** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 202-1** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 202-2** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 202-3** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 202-4** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 203-1** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 203-2** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 203-3** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 203-4** | 8/26 | A | | 1 | 1 | 046 |
| **8HP2 300** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 301** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 302** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 306** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 307** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 311** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 312** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 313** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 314** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 315** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 318** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 320** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 321** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 322** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 331** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 332** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 333** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 334** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 335** | 8/16 | A | | 1 | 1 | 046 |
| **8HP2 405** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 410** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 411** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 412** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 414** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 415** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 416** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 417** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 426** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 437** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 438** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 440** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 441** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 442** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 443** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 444** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 445** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 446** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 447** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 448** | 8/19 | A | | 1 | 1 | 046 |
| **8HP2 501** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 511** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 521** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 523** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 532** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 534** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 542** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 544** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 552** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 554** | 8/12 | A | | 1 | 1 | 046 |
| **8HP2 622** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 623** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 624** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 627** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 632** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 647** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 653** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 654** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 657** | 8/20 | A | | 1 | 1 | 046 |
| **8HP2 705** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 707** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 710** | 8/23 | C | | 1 | 1 | 046 |
| **8HP2 711** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 712** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 713** | 8/23 | C | | 1 | 1 | 046 |
| **8HP2 714** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 715** | 8/23 | C | | 1 | 1 | 046 |
| **8HP2 716** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 717** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 718** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 732** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 733** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 734** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 735** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 736** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 738** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 741** | 8/23 | C | | 1 | 1 | 046 |
| **8HP2 742** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 743** | 8/23 | C | | 1 | 1 | 046 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8HP2 744** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 745** | 8/23 | C | | 1 | 1 | 046 |
| **8HP2 746** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 747** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 748** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 752** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 753** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 754** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 755** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 756** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 758** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 761** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 762** | 8/22 | C | | 1 | 1 | 046 |
| **8HP2 763** | 8/22 | C | | 1 | 1 | 046 |
| **8HP4** | | | | | | |
| **8HP4 310** | 8/32 | A | | 1 | 1 | 046 |
| **8HP4 311** | 8/32 | A | | 1 | 1 | 046 |
| **8HP4 314** | 8/32 | A | | 1 | 1 | 046 |
| **8HP5** | | | | | | |
| **8HP5 142** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 144** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 145** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 147** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 148** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 150** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 157** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 162** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 164** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 166** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 167** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 170** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 171** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 172** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 173** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 174** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 175** | 8/14 | A | | 1 | 1 | 046 |
| **8HP5 300** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 301** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 302** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 311** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 312** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 314** | 8/16 | A | | 1 | 1 | 046 |
| **8HP5 411** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 413** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 414** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 415** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 421** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 422** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 423** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 424** | 8/19 | A | | 1 | 1 | 046 |
| **8HP5 457** | 8/24 | A | | 1 | 1 | 046 |
| **8HP5 458** | 8/24 | A | | 1 | 1 | 046 |
| **8HP5 531** | 8/12 | A | | 1 | 1 | 046 |
| **8HP5 532** | 8/12 | A | | 1 | 1 | 046 |
| **8HP5 533** | 8/12 | A | | 1 | 1 | 046 |
| **8HP5 534** | 8/12 | A | | 1 | 1 | 046 |
| **8HP6** | | | | | | |
| **8HP6 111** | 8/38 | A | | 1 | 1 | 046 |
| **8HP6 112** | 8/38 | A | | 1 | 1 | 046 |
| **8HP6 201** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 301** | 8/10 | A | | 1 | 1 | 046 |

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8HP6 302** | 8/10 | A | | 1 | 1 | 046 |
| **8HP6 303** | 8/10 | A | | 1 | 1 | 046 |
| **8HP6 304** | 8/10 | A | | 1 | 1 | 046 |
| **8HP6 307** | 8/10 | A | | 1 | 1 | 046 |
| **8HP6 312** | 8/35 | A | | 1 | 1 | 046 |
| **8HP6 322** | 8/35 | A | | 1 | 1 | 046 |
| **8HP6 404** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 406** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 422** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 423** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 424** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 425** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 426** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 427** | 8/19, 8/32 | A | | 1 | 1 | 046 |
| **8HP6 428** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 431** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 432** | 8/19 | A | | 1 | 1 | 046 |
| **8HP6 433** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 434** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 435** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 436** | 8/31 | A | | 1 | 1 | 046 |
| **8HP6 437** | 8/32 | A | | 1 | 1 | 046 |
| **8HP6 510** | 8/36 | A | | 1 | 1 | 046 |
| **8HP6 571** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 572** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 586** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 588** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 601** | 8/29 | A | | 1 | 1 | 046 |
| **8HP6 602** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 603** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 611** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 612** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 613** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 614** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 615** | 8/37 | A | | 1 | 1 | 046 |
| **8HP6 621** | 8/35 | A | | 1 | 1 | 046 |
| **8HP9** | | | | | | |
| **8HP9 000** | 8/39 | A | | 1 | 1 | 046 |
| **8HP9 001** | 8/39 | A | | 1 | 1 | 046 |
| **8HP9 020** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 030-3** | 8/42 | D | | 1 set | 1 set | 046 |
| **8HP9 030-4** | 8/42 | D | | 1 set | 1 set | 046 |
| **8HP9 030-5** | 8/42 | D | | 1 set | 1 set | 046 |
| **8HP9 030-6** | 8/42 | D | | 1 set | 1 set | 046 |
| **8HP9 030-7** | 8/42 | D | | 1 set | 1 set | 046 |
| **8HP9 031** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 032-2** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 032-3** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 032-4** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 032-5** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 032-6** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 033** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 034** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 038-2** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 038-3** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 038-4** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 038-5** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 038-6** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 045** | 8/43 | D | | 1 | 2 | 046 |
| **8HP9 046** | 8/43 | D | | 1 | 2 | 046 |
| **8HP9 056** | 8/42 | D | | 1 set | 1 set | 046 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8HP9 057** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 058** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 060** | 8/42 | D | | 1 | 1 | 046 |
| **8HP9 061** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 062** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 063-2** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 063-3** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 063-4** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 063-5** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 063-6** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 067** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 071** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 072** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 073-2** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 073-3** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 073-4** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 073-5** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 073-6** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 081** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 082** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 083** | 8/44 | D | | 1 | 1 | 046 |
| **8HP9 102** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 103** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 104** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 105** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 106** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 112** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 113** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 114** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 115** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 116** | 8/43 | D | | 1 | 1 | 046 |
| **8HP9 121** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 122** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 123** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 124** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 133** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 134** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 135** | 8/39 | D | | 1 | 1 | 046 |
| **8HP9 136** | 8/39 | D | | 1 | 1 | 046 |
| **8JH1** | | | | | | |
| **8JH1 353** | 8/37 | X | | 1 | 1 | 143 |
| **8JH1 354** | 8/37 | X | | 1 | 1 | 143 |
| **8JH1 355** | 8/37 | A | | 1 | 1 | 143 |
| **8JH1 356** | 8/37 | D | | 1 | 1 | 143 |
| **8JH1 41** | 8/36 | A | | 1 | 1 | 046 |
| **8JH4** | | | | | | |
| **8JH4 02** | 8/33 | A | | 1 | 1 | 046 |
| **8JH4 04** | 8/33 | A | | 1 | 1/25 | 046 |
| **8JH4 043** | 8/33 | A | | 1 | 1 | 046 |
| **8JH4 044** | 8/33 | A | | 1 | 1 | 046 |
| **8JH4 102** | 8/27 | A | | 1 | 10 | 046 |
| **8JH4 104** | 8/27 | A | | 1 | 10 | 046 |
| **8JH4 105** | 8/27 | A | | 1 | 10 | 046 |
| **8JH4 106** | 8/27 | A | | 1 | 10 | 046 |
| **8JH4 112** | 8/30 | A | | 1 | 10 | 046 |
| **8JH4 114** | 8/30 | A | | 1 | 10 | 046 |
| **8JH4 122** | 8/30 | A | | 1 | 10 | 046 |
| **8JH4 124** | 8/30 | A | | 1 | 10 | 046 |
| **8JH4 125** | 8/30 | A | | 1 | 10 | 046 |
| **8JH4 230** | 8/29 | A | | 1 | 1 | 046 |
| **8JK1** | | | | | | |
| **8JK1 13** | 8/36 | A | | 1 | 1 | 046 |
| **8JK3** | | | | | | |
| **8JK3 061** | 8/27 | A | | 1 | 10 | 046 |
| **8JK3 113** | 8/28 | A | | 1 | 1 | 046 |
| **8JK3 143** | 8/28 | A | | 1 | 1 | 046 |
| **8JK3 171** | 8/28 | A | | 1 | 1 | 046 |
| **8JK3 172** | 8/28 | A | | 1 | 1 | 046 |
| **8JK3 201** | 8/29 | A | | 1 set | 10 sets | 046 |
| **8JK3 281** | 8/29 | A | | 1 | 1 | 046 |
| **8JK3 441** | 8/30 | A | | 1 | 1 | 046 |
| **8JK3 544** | 8/28 | A | | 1 | 1 | 046 |
| **8JK4** | | | | | | |
| **8JK4 01** | 8/33 | A | | 1 | 1 | 046 |
| **8JK4 04** | 8/33 | A | | 1 | 1 | 046 |
| **8JK4 06** | 8/33 | A | | 1 | 1 | 046 |
| **8JK4 061** | 8/33 | A | | 1 | 1 | 046 |
| **8JK4 100** | 8/33 | A | | 1 | 1 | 046 |
| **8UC7** | | | | | | |
| **8UC7 111-1BB10** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 121-3BB10** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 212-1BB20** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 222-3BB20** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 262-1BB20** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 313-1BB30** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 314-1BB44** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 323-3BB30** | 8/38 | C | | 1 | 1 | 103 |
| **8UC7 324-3BB44** | 8/38 | C | | 1 | 1 | 103 |
| **8US1** | | | | | | |
| **8US1 921-2AA00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 100 | 100 | 143 |
| **8US1 921-2AB00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 100 | 50 | 143 |
| **8US1 921-2AC00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 50 | 143 |
| **8US1 921-2AD00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 50 | 143 |
| **8US1 921-2BA00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 100 | 143 |
| **8US1 921-2BB00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 50 | 143 |
| **8US1 921-2BC00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 50 | 143 |
| **8US1 921-2BD00** | 3/26, 4/24, 5/20, 8/27 | ▶ | | 1 | 50 | 143 |
| **8US1 922-2AA00** | 8/29 | A | | 1 | 10 | 143 |
| **8US1 922-2BA00** | 8/29 | A | | 1 | 10 | 143 |
| **8US1 923-2AA01** | 8/29 | A | | 1 | 10 | 143 |
| **8US1 923-3AA01** | 8/29 | A | | 1 | 10 | 143 |
| **8WA1** | | | | | | |
| **8WA1 010-1PH01** | 10/9 | C | | 1 | 50 | 041 |
| **8WA1 010-1PQ00** | 10/57 | C | | 1 | 5 | 041 |
| **8WA1 011-0DF21** | 10/7 | A | | 1 | 20 | 041 |
| **8WA1 011-0DF22** | 10/7 | A | | 1 | 20 | 041 |
| **8WA1 011-0DG21** | 10/8 | A | | 1 | 20 | 041 |
| **8WA1 011-0DG22** | 10/8 | A | | 1 | 20 | 041 |
| **8WA1 011-1BF21** | 10/7 | C | | 1 | 50 | 041 |
| **8WA1 011-1BF22** | 10/7 | C | | 1 | 50 | 041 |
| **8WA1 011-1BF23** | 10/7 | A | | 1 | 50 | 041 |
| **8WA1 011-1BF24** | 10/7 | C | | 1 | 50 | 041 |
| **8WA1 011-1BF25** | 10/7 | C | | 1 | 50 | 041 |
| **8WA1 011-1BF26** | 10/7 | C | | 1 | 50 | 041 |
| **8WA1 011-1BG11** | 10/8 | A | | 1 | 50 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WA1 011-1BG21** | 10/8 | C | | 1 | 50 | 041 |
| **8WA1 011-1BG22** | 10/8 | C | | 1 | 50 | 041 |
| **8WA1 011-1BG24** | 10/8 | C | | 1 | 50 | 041 |
| **8WA1 011-1BH23** | 10/9 | A | | 1 | 50 | 041 |
| **8WA1 011-1BH24** | 10/9 | C | | 1 | 50 | 041 |
| **8WA1 011-1BK11** | 10/10 | A | | 1 | 10 | 041 |
| **8WA1 011-1BM11** | 10/10 | A | | 1 | 10 | 041 |
| **8WA1 011-1BP11** | 10/11 | A | | 1 | 10 | 041 |
| **8WA1 011-1DF11** | 10/7 | A | | 1 | 100 | 041 |
| **8WA1 011-1DG11** | 10/8 | A | | 1 | 100 | 041 |
| **8WA1 011-1DH11** | 10/9 | A | | 1 | 50 | 041 |
| **8WA1 011-1EE00** | 10/22 | C | | 1 | 5/50 | 041 |
| **8WA1 011-1EF20** | 10/21 | C | | 1 | 5 | 041 |
| **8WA1 011-1MH10** | 10/26 | C | | 1 | 20 | 041 |
| **8WA1 011-1MH11** | 10/27 | C | | 1 | 20 | 041 |
| **8WA1 011-1MH15** | 10/28 | C | | 1 | 20 | 041 |
| **8WA1 011-1NF01** | 10/13 | A | | 1 | 50 | 041 |
| **8WA1 011-1NF02** | 10/13 | C | | 1 | 50 | 041 |
| **8WA1 011-1NG31** | 10/13 | A | | 1 | 50 | 041 |
| **8WA1 011-1NH01** | 10/14 | A | | 1 | 50 | 041 |
| **8WA1 011-1NK02** | 10/14 | C | | 1 | 50 | 041 |
| **8WA1 011-1PF00** | 10/7 | A | | 1 | 50 | 041 |
| **8WA1 011-1PF01** | 10/7 | A | | 1 | 50 | 041 |
| **8WA1 011-1PG00** | 10/8 | A | | 1 | 50 | 041 |
| **8WA1 011-1PG01** | 10/8 | A | | 1 | 50 | 041 |
| **8WA1 011-1PH00** | 10/9 | A | | 1 | 50 | 041 |
| **8WA1 011-1PK00** | 10/10 | A | | 1 | 25 | 041 |
| **8WA1 011-1PM00** | 10/11 | A | | 1 | 25 | 041 |
| **8WA1 011-1SF12** | 10/23 | A | | 1 | 10 | 041 |
| **8WA1 011-1SF13** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-1SF14** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-1SF15** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-1SF30** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-1SF31** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-1SF32** | 10/23 | D | | 1 | 10 | 041 |
| **8WA1 011-2BG11** | 10/17 | C | | 1 | 50 | 041 |
| **8WA1 011-2DG11** | 10/17 | A | | 1 | 50 | 041 |
| **8WA1 011-3DF21** | 10/7 | A | | 1 | 10 | 041 |
| **8WA1 011-3DG21** | 10/8 | A | | 1 | 10 | 041 |
| **8WA1 011-3DH21** | 10/9 | A | | 1 | 20 | 041 |
| **8WA1 011-3JF16** | 10/15 | A | | 1 | 50 | 041 |
| **8WA1 011-3JF17** | 10/15 | A | | 1 | 50 | 041 |
| **8WA1 011-3JF18** | 10/15 | A | | 1 | 50 | 041 |
| **8WA1 011-3JF20** | 10/15 | A | | 1 | 50 | 041 |
| **8WA1 011-6BG11** | 10/17 | C | | 1 | 50 | 041 |
| **8WA1 011-6DG11** | 10/17 | A | | 1 | 50 | 041 |
| **8WA1 011-6EG20** | 10/19 | C | | 1 | 10 | 041 |
| **8WA1 011-6EG21** | 10/19 | C | | 1 | 10 | 041 |
| **8WA1 011-6EG22** | 10/19 | C | | 1 | 10 | 041 |
| **8WA1 011-6EG23** | 10/19 | C | | 1 | 10 | 041 |
| **8WA1 011-6EG24** | 10/19 | C | | 1 | 10 | 041 |
| **8WA1 011-6EG25** | 10/20 | D | | 1 | 10 | 041 |
| **8WA1 011-6EG26** | 10/20 | D | | 1 | 10 | 041 |
| **8WA1 011-6EG44** | 10/20 | D | | 1 | 10 | 041 |
| **8WA1 204** | 10/10 | A | | 1 | 20 | 041 |
| **8WA1 205** | 10/10 | A | | 1 | 20 | 041 |
| **8WA1 206** | 10/11 | A | | 1 | 10/60 | 041 |
| **8WA1 216** | 10/11, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 221** | 10/24 | C | | 1 | 50 | 041 |
| **8WA1 232** | 10/24 | C | | 1 | 50 | 041 |
| **8WA1 304** | 10/10 | C | | 1 | 20 | 041 |

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WA1 305** | 10/10 | C | | 1 | 20 | 041 |
| **8WA1 501** | 10/21 | C | | 1 | 10 | 041 |
| **8WA1 604** | 10/14 | C | | 1 | 50 | 041 |
| **8WA1 741-2X** | 10/8, 10/12 | X | | 1 | 5 | 041 |
| **8WA1 802** | 10/10, 10/12 | A | | 1 | 10 | 041 |
| **8WA1 803** | 10/10, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 804** | 10/10, 10/12 | A | | 1 | 10 | 041 |
| **8WA1 805** | 16/17 | A | | 1 | 50 | 041 |
| **8WA1 806** | 16/16 | C | | 1 | 50 | 041 |
| **8WA1 808** | 10/11, 10/16, 16/17 | A | | 1 | 50 | 041 |
| **8WA1 810** | 10/7, 10/11, 10/24 | C | | 1 | 50 | 041 |
| **8WA1 811** | 10/8, 10/9, 10/11, 10/16, 10/17, 10/18, 10/24 | C | | 1 | 50 | 041 |
| **8WA1 812** | 10/10, 10/11 | C | | 1 | 50 | 041 |
| **8WA1 813** | 10/10, 10/11 | C | | 1 | 50 | 041 |
| **8WA1 814** | 10/11 | D | | 1 | 50 | 041 |
| **8WA1 817** | 10/17, 10/18, 10/19, 10/20 | A | | 1 | 50 | 041 |
| **8WA1 820** | 10/7, 10/8, 10/12, 10/21, 10/24 | A | | 1 | 50 | 041 |
| **8WA1 821** | 10/9, 10/10, 10/12, 10/24 | A | | 1 | 50 | 041 |
| **8WA1 822-7AX00** | 10/13, 10/14 | D | | 1 | 10 | 041 |
| **8WA1 822-7AX01** | 10/7, 10/8, 10/9, 10/11, 10/16, 10/17, 10/18, 10/26, 10/27, 10/28 | D | | 1 | 10 | 041 |
| **8WA1 822-7AX02** | 10/10, 10/11 | D | | 1 | 10 | 041 |
| **8WA1 822-7AX02** | 10/10 | D | | 1 | 10 | 041 |
| **8WA1 822-7AX03** | 10/7, 10/8, 10/26, 10/27, 10/28 | D | | 1 | 10 | 041 |
| **8WA1 822-7AX03** | 10/11, 10/16 | D | | 1 | 10 | 041 |
| **8WA1 822-7EE00** | 10/22 | C | | 1 | 1 | 041 |
| **8WA1 822-7EF16** | 10/23, 11/68 | D | | 1 | 10/200 | 041 |
| **8WA1 822-7EF18** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF21** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF23** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF25** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF76** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF78** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF81** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF83** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7EF85** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 822-7PH00** | 10/26, 10/27, 10/28 | D | | 1 | 50 | 041 |
| **8WA1 822-7PH03** | 10/26, 10/27, 10/28 | D | | 1 | 50 | 041 |
| **8WA1 822-7PH06** | 10/26, 10/27, 10/28 | D | | 1 | 50 | 041 |
| **8WA1 822-7PH08** | 10/26, 10/27, 10/28 | D | | 1 | 50 | 041 |
| **8WA1 822-7TH00** | 10/15, 10/16, 10/26, 10/27, 10/28, 10/29 | C | | 1 | 50 | 041 |
| **8WA1 822-7TK00** | 10/10, 10/12 | C | | 1 | 50 | 041 |
| **8WA1 822-7VD05** | 10/23 | A | | 1 | 20 | 019 |
| **8WA1 822-7VF01** | 10/7, 10/11 | C | | 1 | 50 | 041 |
| **8WA1 822-7VF02** | 10/16 | C | | 1 | 50 | 041 |
| **8WA1 822-7VF03** | 10/16 | D | | 1 | 50 | 041 |
| **8WA1 822-7VF04** | 10/16 | D | | 1 | 20 | 041 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WA1 822-7VF10** | 10/16 | D | | 1 | 10 | 041 |
| **8WA1 822-7VG00** | 10/8, 10/11, 10/17, 10/18 | D | | 1 | 50 | 041 |
| **8WA1 822-7VG01** | 10/17, 10/18 | D | | 1 | 50 | 041 |
| **8WA1 822-7VH00** | 10/9, 10/11 | D | | 1 | 50 | 041 |
| **8WA1 822-7VH01** | 10/26, 10/27, 10/28 | C | | 1 | 50 | 041 |
| **8WA1 822-7VH10** | 10/26, 10/27, 10/28, 10/29 | C | | 1 | 50 | 041 |
| **8WA1 822-7VH11** | 10/17, 10/18, 16/18 | X | | 1 | 100 | 041 |
| **8WA1 822-7VH12** | 10/24 | D | | 1 | 50 | 041 |
| **8WA1 822-7VH20** | 10/24 | D | | 1 | 10 | 041 |
| **8WA1 822-7VH22** | 10/26, 10/27, 10/28, 10/29 | D | | 1 | 10 | 041 |
| **8WA1 823** | 10/10, 10/11, 10/12, 10/17, 10/18 | C | | 1 | 25 | 041 |
| **8WA1 824** | 10/11, 10/12 | C | | 1 | 25 | 041 |
| **8WA1 825** | 10/7, 10/8, 10/9, 10/12, 10/17, 10/18, 10/26, 10/27, 10/28 | C | | 1 | 50 | 041 |
| **8WA1 828** | 10/10, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 835** | 10/17, 10/18 | D | | 1 | 50 | 041 |
| **8WA1 838** | 10/17, 10/18 | C | | 1 | 10 | 041 |
| **8WA1 842** | 10/10, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 845** | 10/10, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 848** | 10/10, 10/12 | D | | 1 | 10 | 041 |
| **8WA1 850** | 10/8, 10/12, 10/17, 10/18 | A | | 1 | 50 | 041 |
| **8WA1 851** | 10/8, 10/12, 10/17, 10/18 | C | | 1 | 50 | 041 |
| **8WA1 852** | 10/8, 10/12, 10/17, 10/18 | C | | 1 | 20 | 041 |
| **8WA1 853** | 10/8, 10/12, 10/17, 10/18 | C | | 1 | 10 | 041 |
| **8WA1 854** | 10/7, 10/8, 10/9, 10/12, 10/17, 10/18 | D | | 1 | 100 | 041 |
| **8WA1 857** | 8/37, 10/16, 16/18 | D | | 1 | 20 | 041 |
| **8WA1 860** | 10/7, 10/11, 10/24 | D | | 1 | 50 | 041 |
| **8WA1 862** | 10/8, 10/9, 10/11, 10/16, 10/17, 10/18, 10/24 | D | | 1 | 50 | 041 |
| **8WA1 865** | 10/7, 10/8, 10/9, 10/12, 10/17, 10/18 | D | | 1 | 50 | 041 |
| **8WA1 868** | 10/12, 10/21, 10/26, 10/27, 10/28, 16/17 | D | | 1 | 10 | 041 |
| **8WA1 870** | 10/12, 16/17 | A | | 1 | 10 | 041 |
| **8WA1 871** | 16/18 | D | | 1 | 10 | 041 |
| **8WA1 884** | 10/17, 10/18, 16/18 | D | | 1 | 100 | 041 |
| **8WA1 885** | 10/9, 10/12, 10/26, 10/27, 10/28, 10/29 | A | | 1 | 50 | 041 |
| **8WA1 886** | 10/9, 10/12, 10/26, 10/27, 10/28, 10/29 | C | | 1 | 50 | 041 |
| **8WA1 887** | 10/9, 10/12, 10/26, 10/27, 10/28, 10/29 | C | | 1 | 20 | 041 |
| **8WA1 888** | 10/9, 10/12, 10/26, 10/27, 10/28, 10/29 | C | | 1 | 10 | 041 |
| **8WA1 891** | 10/23, 11/68 | D | | 1 | 10 | 041 |
| **8WA1 892** | 10/10, 10/11 | C | | 1 | 50 | 041 |
| **8WA1 893** | 10/10, 10/11 | C | | 1 | 50 | 041 |
| **8WA1 895** | 10/7, 10/12 | A | | 1 | 50 | 041 |
| **8WA1 896** | 10/7, 10/12 | A | | 1 | 50 | 041 |
| **8WA1 897** | 10/7, 10/12 | C | | 1 | 20 | 041 |
| **8WA1 898** | 10/7, 10/12 | C | | 1 | 10/200 | 041 |
| **8WA2** | | | | | | |
| **8WA2 011-1BF21** | 11/61 | A | | 1 | 50 | 041 |
| **8WA2 011-1BF23** | 11/61 | A | | 1 | 50 | 041 |
| **8WA2 011-1BF33** | 11/61 | A | | 1 | 10 | 041 |
| **8WA2 011-1BF43** | 11/62 | C | | 1 | 10 | 041 |
| **8WA2 011-1BG21** | 11/62 | C | | 1 | 50 | 041 |
| **8WA2 011-1BG23** | 11/62 | C | | 1 | 50 | 041 |
| **8WA2 011-1BG33** | 11/63 | C | | 1 | 10 | 041 |
| **8WA2 011-1BH23** | 11/63 | C | | 1 | 50 | 041 |
| **8WA2 011-1BJ23** | 11/64 | C | | 1 | 20 | 041 |
| **8WA2 011-1BK23** | 11/64 | C | | 1 | 20 | 041 |
| **8WA2 011-1DF20** | 11/61 | A | | 1 | 50 | 041 |
| **8WA2 011-1DF30** | 11/61 | A | | 1 | 10 | 041 |
| **8WA2 011-1DF40** | 11/62 | A | | 1 | 10 | 041 |
| **8WA2 011-1DG20** | 11/62 | A | | 1 | 50 | 041 |
| **8WA2 011-1DG30** | 11/63 | A | | 1 | 10 | 041 |
| **8WA2 011-1DH20** | 11/63 | A | | 1 | 50 | 041 |
| **8WA2 011-1DJ20** | 11/64 | C | | 1 | 20 | 041 |
| **8WA2 011-1DK20** | 11/64 | A | | 1 | 20 | 041 |
| **8WA2 011-1LF20** | 11/69 | C | | 1 | 10 | 041 |
| **8WA2 011-1PF20** | 11/62 | A | | 1 | 50 | 041 |
| **8WA2 011-1PF30** | 11/62 | A | | 1 | 10 | 041 |
| **8WA2 011-1PF40** | 11/62 | A | | 1 | 20 | 041 |
| **8WA2 011-1PG20** | 11/63 | A | | 1 | 50 | 041 |
| **8WA2 011-1PG30** | 11/63 | A | | 1 | 10 | 041 |
| **8WA2 011-1PH20** | 11/63 | A | | 1 | 50 | 041 |
| **8WA2 011-1PJ20** | 11/64 | C | | 1 | 20 | 041 |
| **8WA2 011-1PK20** | 11/64 | C | | 1 | 20 | 041 |
| **8WA2 011-1SG20** | 11/68 | C | | 1 | 10 | 041 |
| **8WA2 011-1SG21** | 11/68 | C | | 1 | 10 | 041 |
| **8WA2 011-1SG22** | 11/68 | C | | 1 | 10 | 041 |
| **8WA2 011-1SG23** | 11/68 | C | | 1 | 10 | 041 |
| **8WA2 011-2BG23** | 11/66 | C | | 1 | 50 | 041 |
| **8WA2 011-2DG20** | 11/66 | A | | 1 | 50 | 041 |
| **8WA2 011-2DG40** | 11/66 | A | | 1 | 50 | 041 |
| **8WA2 011-3KE00** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE01** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE02** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE10** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE11** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE12** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE13** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE30** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE31** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE33** | 11/71 | C | | 1 | 20 | 041 |
| **8WA2 011-3KE50** | 11/71 | C | | 1 | 10 | 041 |
| **8WA2 011-3KE51** | 11/71 | C | | 1 | 5 | 041 |
| **8WA2 803** | 16/18 | C | | 1 | 1 | 041 |
| **8WA2 808** | 16/17 | A | | 1 | 50 | 041 |
| **8WA2 811** | 11/61, 11/62, 11/63, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 812** | 11/65, 11/66, 11/67 | C | | 1 | 50 | 041 |
| **8WA2 813** | 11/61, 11/62, 11/63, 11/65 | C | | 1 | 50 | 041 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WA2 817** | 11/64, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 822** | 11/71 | C | | 100 | 1000 | 041 |
| **8WA2 830** | 11/61, 11/62, 11/63, 11/65, 11/66, 11/67, 11/69 | C | | 1 | 20 | 041 |
| **8WA2 831** | 11/61, 11/62, 11/63, 11/65, 11/66, 11/67, 11/69 | C | | 1 | 50/1000 | 041 |
| **8WA2 832** | 11/61, 11/62, 11/63, 11/65, 11/66, 11/67, 11/69 | C | | 1 | 50 | 041 |
| **8WA2 835** | 11/61, 11/62, 11/63, 11/65, 11/66, 11/67 | C | | 1 | 50 | 041 |
| **8WA2 836** | 11/61, 11/62, 11/63, 11/65, 11/66, 11/67 | C | | 1 | 50 | 041 |
| **8WA2 838** | 16/16 | C | | 1 | 50 | 041 |
| **8WA2 842** | 10/66, 10/67, 13/10, 13/12, 13/13, 13/15 | A | | 1 | 1 | 041 |
| **8WA2 844** | 11/63, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 845** | 11/63, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 850** | 11/66, 11/67, 16/17 | C | | 1 | 50 | 041 |
| **8WA2 851** | 11/64, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 852** | 11/64, 11/65 | C | | 1 | 50 | 041 |
| **8WA2 853** | 11/64, 11/65 | D | | 1 | 5 | 041 |
| **8WA2 854** | 11/64, 11/65 | C | | 1 | 20/500 | 041 |
| **8WA2 860** | 8/30 | C | | 1 | 50 | 041 |
| **8WA2 861** | 8/30 | C | | 1 | 50 | 041 |
| **8WA2 867** | 10/13, 10/14, 10/16, 13/10, 13/15 | C | | 1 | 50 | 041 |
| **8WA2 868** | 10/14, 10/16, 13/10, 13/15 | C | | 1 | 50 | 041 |
| **8WA2 870** | 10/14, 10/16, 13/10, 13/15 | C | | 1 | 50 | 041 |
| **8WA2 880** | 16/18 | C | | 1 | 1 | 041 |
| **8WA7** | | | | | | |
| **8WA7 163** | 10/26, 10/27, 10/28, 10/29 | D | | 1 | 10 | 041 |
| **8WA7 46** | 16/18 | C | | 1 | 10 | 041 |
| **8WA7 52** | 16/18 | C | | 1 | 100 | 041 |
| **8WA7 53** | 16/18 | C | | 1 | 50 | 041 |
| **8WA7 551** | 16/17 | C | | 1 | 1 | 041 |
| **8WA8** | | | | | | |
| **8WA8 800-2AY** | 16/15 | C | | 100 | 100 | 041 |
| **8WA8 826-0AA** | 16/16 | C | | 100 | 100 | 041 |
| **8WA8 826-0AB** | 16/16 | C | | 100 | 100 | 041 |
| **8WA8 826-0AC** | 16/16 | C | | 100 | 100 | 041 |
| **8WA8 846-2AY** | 16/16 | C | | 100 | 1000 | 041 |
| **8WA8 847-□□□** | 16/16 | C | | 100 | 100 | 041 |
| **8WA8 847-0XA** | 10/29, 16/16 | D | | 100 | 100 | 041 |
| **8WA8 848-□□□** | 16/16 | C | | 100 | 100 | 041 |
| **8WA8 848-0XA** | 16/16 | X | | 100 | 100 | 041 |
| **8WA8 848-2AY** | 10/16, 10/29, 16/15 | A | | 100 | 100 | 041 |
| **8WA8 850-2AY** | 16/14 | A | | 100 | 1020 | 041 |
| **8WA8 851-2AY** | 16/14 | A | | 100 | 1020 | 041 |
| **8WA8 853-2AY** | 16/14 | C | | 100 | 1080 | 041 |
| **8WA8 854-2AY** | 16/14 | C | | 100 | 1200 | 041 |
| **8WA8 855-2AY** | 16/14 | C | | 100 | 1080 | 041 |
| **8WA8 860-□□□** | 16/15 | C | | 100 | 200 | 041 |
| **8WA8 861-□□□** | 16/15 | C | | 100 | 200 | 041 |
| **8WA9** | | | | | | |
| **8WA9 200** | 10/29 | C | | 1 | 100 | 041 |
| **8WC5** | | | | | | |
| **8WC5 120** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 121** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 123** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 126** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 127** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 128** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 131** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 133** | 8/30 | B | | 1 | 1 | 143 |
| **8WC5 134** | 8/30 | B | | 1 | 1 | 143 |
| **8WH1** | | | | | | |
| **8WH1 000-0AF00** | 10/37 | C | | 1 | 50 | 044 |
| **8WH1 000-0AF01** | 10/37 | C | | 1 | 50 | 044 |
| **8WH1 000-0AG00** | 10/37 | C | | 1 | 50 | 044 |
| **8WH1 000-0AG01** | 10/37 | C | | 1 | 50 | 044 |
| **8WH1 000-0AH00** | 10/38 | C | | 1 | 50 | 044 |
| **8WH1 000-0AH01** | 10/38 | C | | 1 | 50 | 044 |
| **8WH1 000-0AJ00** | 10/39 | C | | 1 | 50 | 044 |
| **8WH1 000-0AJ01** | 10/39 | C | | 1 | 50 | 044 |
| **8WH1 000-0AK00** | 10/39 | C | | 1 | 50 | 044 |
| **8WH1 000-0AK01** | 10/39 | C | | 1 | 50 | 044 |
| **8WH1 000-0AM00** | 10/40 | C | | 1 | 50 | 044 |
| **8WH1 000-0AM01** | 10/40 | C | | 1 | 50 | 044 |
| **8WH1 000-0AN00** | 10/56 | C | | 1 | 10 | 044 |
| **8WH1 000-0AN01** | 10/56 | C | | 1 | 10 | 044 |
| **8WH1 000-0AQ00** | 10/56 | C | | 1 | 10 | 044 |
| **8WH1 000-0AQ01** | 10/56 | C | | 1 | 10 | 044 |
| **8WH1 000-0AS00** | 10/57 | C | | 1 | 10 | 044 |
| **8WH1 000-0AS01** | 10/57 | C | | 1 | 10 | 044 |
| **8WH1 000-0AU00** | 10/57 | C | | 1 | 10 | 044 |
| **8WH1 000-0AU01** | 10/57 | C | | 1 | 10 | 044 |
| **8WH1 000-0CF07** | 10/37 | C | | 1 | 50 | 044 |
| **8WH1 000-0CG07** | 10/38 | C | | 1 | 50 | 044 |
| **8WH1 000-0CH07** | 10/38 | C | | 1 | 50 | 044 |
| **8WH1 000-0CJ07** | 10/39 | C | | 1 | 50 | 044 |
| **8WH1 000-0CK07** | 10/40 | C | | 1 | 50 | 044 |
| **8WH1 000-0CM07** | 10/40 | C | | 1 | 50 | 044 |
| **8WH1 000-0CN07** | 10/56 | C | | 1 | 10 | 044 |
| **8WH1 000-0CQ07** | 10/57 | C | | 1 | 10 | 044 |
| **8WH1 000-1GG08** | 10/43 | C | | 1 | 50 | 044 |
| **8WH1 000-1HH08** | 10/43 | C | | 1 | 50 | 044 |
| **8WH1 000-1KG38** | 10/43 | C | | 1 | 50 | 044 |
| **8WH1 000-1MG88** | 10/43 | C | | 1 | 50 | 044 |
| **8WH1 000-1PH38** | 10/43 | C | | 1 | 50 | 044 |
| **8WH1 000-6AG00** | 10/45 | C | | 1 | 50 | 044 |
| **8WH1 000-6AH00** | 10/46 | C | | 1 | 50 | 044 |
| **8WH1 000-6CG00** | 10/44 | C | | 1 | 50 | 044 |
| **8WH1 000-6KG00** | 10/51 | C | | 1 | 50 | 044 |
| **8WH1 000-6LG00** | 10/51 | C | | 1 | 50 | 044 |
| **8WH1 001-0AK00** | 13/7 | C | | 1 | 50 | 044 |
| **8WH1 001-0AK01** | 13/7 | C | | 1 | 50 | 044 |
| **8WH1 001-0AM00** | 13/8 | C | | 1 | 50 | 044 |
| **8WH1 001-0AM01** | 13/8 | C | | 1 | 50 | 044 |
| **8WH1 001-0BJ01** | 13/11 | C | | 1 | 50 | 044 |
| **8WH1 001-0BK01** | 13/11 | C | | 1 | 50 | 044 |
| **8WH1 001-0BM01** | 13/12 | C | | 1 | 50 | 044 |
| **8WH1 001-0CK07** | 13/8 | C | | 1 | 50 | 044 |
| **8WH1 001-0CM07** | 13/8 | C | | 1 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH1 020-0AF00** | 10/47 | C | | 1 | 50 | 044 |
| **8WH1 020-0AF01** | 10/47 | C | | 1 | 50 | 044 |
| **8WH1 020-0AG00** | 10/48 | C | | 1 | 50 | 044 |
| **8WH1 020-0AG01** | 10/48 | C | | 1 | 50 | 044 |
| **8WH1 020-0CF07** | 10/47 | C | | 1 | 50 | 044 |
| **8WH1 020-0CG07** | 10/48 | C | | 1 | 50 | 044 |
| **8WH1 020-5AF00** | 10/53 | C | | 1 | 50 | 044 |
| **8WH1 020-5BF00** | 10/53 | C | | 1 | 50 | 044 |
| **8WH1 020-5DF00** | 10/53 | C | | 1 | 50 | 044 |
| **8WH1 020-5FF00** | 10/53 | C | | 1 | 50 | 044 |
| **8WH1 020-5HF00** | 10/53 | C | | 1 | 50 | 044 |
| **8WH1 020-6AC00** | 10/49 | C | | 1 | 50 | 044 |
| **8WH1 020-6AG00** | 10/49 | C | | 1 | 50 | 044 |
| **8WH1 025-0AF00** | 10/47 | C | | 1 | 50 | 044 |
| **8WH1 025-0AG00** | 10/48 | C | | 1 | 50 | 044 |
| **8WH1 060-0AL00** | 10/63 | C | | 1 | 10 | 044 |
| **8WH1 060-0AN00** | 10/63 | C | | 1 | 10 | 044 |
| **8WH1 060-0AQ00** | 10/63 | C | | 1 | 10 | 044 |
| **8WH1 060-0AS00** | 10/63 | C | | 1 | 10 | 044 |
| **8WH1 060-0AU00** | 10/64 | C | | 1 | 5 | 044 |
| **8WH1 070-0AN00** | 10/59 | C | | 1 | 50 | 044 |
| **8WH1 070-0AQ00** | 10/60 | C | | 1 | 25 | 044 |
| **8WH1 070-0AS00** | 10/60 | C | | 1 | 25 | 044 |
| **8WH2** | | | | | | |
| **8WH2 000-0AE00** | 11/11 | A | | 1 | 50 | 044 |
| **8WH2 000-0AE01** | 11/11 | A | | 1 | 50 | 044 |
| **8WH2 000-0AE02** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AE03** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AE04** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AE05** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AE06** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AE08** | 11/11 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF00** | 11/13 | A | | 1 | 50 | 044 |
| **8WH2 000-0AF01** | 11/13 | A | | 1 | 50 | 044 |
| **8WH2 000-0AF02** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF03** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF04** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF05** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF06** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AF08** | 11/13 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG00** | 11/16 | A | | 1 | 50 | 044 |
| **8WH2 000-0AG01** | 11/16 | A | | 1 | 50 | 044 |
| **8WH2 000-0AG02** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG03** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG04** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG05** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG06** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AG08** | 11/16 | B | | 1 | 50 | 044 |
| **8WH2 000-0AH00** | 11/18 | A | | 1 | 50 | 044 |
| **8WH2 000-0AH01** | 11/18 | A | | 1 | 50 | 044 |
| **8WH2 000-0AJ00** | 11/19 | A | | 1 | 50 | 044 |
| **8WH2 000-0AJ01** | 11/19 | A | | 1 | 50 | 044 |
| **8WH2 000-0AK00** | 11/20 | C | | 1 | 50 | 044 |
| **8WH2 000-0AK01** | 11/20 | C | | 1 | 50 | 044 |
| **8WH2 000-0AM00** | 11/20 | C | | 1 | 10 | 044 |
| **8WH2 000-0AM01** | 11/20 | C | | 1 | 10 | 044 |
| **8WH2 000-0CE07** | 11/12 | A | | 1 | 50 | 044 |
| **8WH2 000-0CF07** | 11/15 | A | | 1 | 50 | 044 |
| **8WH2 000-0CG07** | 11/17 | A | | 1 | 50 | 044 |
| **8WH2 000-0CH07** | 11/18 | A | | 1 | 50 | 044 |
| **8WH2 000-0CJ07** | 11/19 | A | | 1 | 50 | 044 |
| **8WH2 000-0CK07** | 11/20 | C | | 1 | 25 | 044 |
| **8WH2 000-0CM07** | 11/21 | C | | 1 | 10 | 044 |
| **8WH2 000-1AG08** | 11/25 | C | | 1 | 50 | 044 |
| **8WH2 000-1BG28** | 11/25 | C | | 1 | 50 | 044 |
| **8WH2 000-1BG38** | 11/25 | C | | 1 | 50 | 044 |
| **8WH2 000-1GG08** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-1HG08** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-1JG38** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-1JG68** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-1MG08** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-1RG08** | 11/26 | C | | 1 | 50 | 044 |
| **8WH2 000-6AF00** | 11/30 | C | | 1 | 50 | 044 |
| **8WH2 000-6AG00** | 11/31 | C | | 1 | 50 | 044 |
| **8WH2 000-6CF00** | 11/28 | C | | 1 | 50 | 044 |
| **8WH2 000-6CG00** | 11/28 | C | | 1 | 50 | 044 |
| **8WH2 003-0AE00** | 11/11 | A | | 1 | 50 | 044 |
| **8WH2 003-0AE01** | 11/11 | A | | 1 | 50 | 044 |
| **8WH2 003-0AF00** | 11/13 | A | | 1 | 50 | 044 |
| **8WH2 003-0AF01** | 11/13 | A | | 1 | 50 | 044 |
| **8WH2 003-0AG00** | 11/16 | A | | 1 | 50 | 044 |
| **8WH2 003-0AG01** | 11/16 | A | | 1 | 50 | 044 |
| **8WH2 003-0AH00** | 11/18 | A | | 1 | 50 | 044 |
| **8WH2 003-0AH01** | 11/18 | A | | 1 | 50 | 044 |
| **8WH2 003-0CE07** | 11/12 | A | | 1 | 50 | 044 |
| **8WH2 003-0CF07** | 11/15 | A | | 1 | 50 | 044 |
| **8WH2 003-0CG07** | 11/17 | A | | 1 | 50 | 044 |
| **8WH2 003-0CH07** | 11/19 | A | | 1 | 50 | 044 |
| **8WH2 003-5CF00** | 11/42 | C | | 1 | 50 | 044 |
| **8WH2 003-5DF00** | 11/42 | C | | 1 | 50 | 044 |
| **8WH2 003-6AF00** | 11/30 | C | | 1 | 50 | 044 |
| **8WH2 003-6CF00** | 11/28 | C | | 1 | 50 | 044 |
| **8WH2 004-0AE00** | 11/11 | C | | 1 | 50 | 044 |
| **8WH2 004-0AE01** | 11/11 | C | | 1 | 50 | 044 |
| **8WH2 004-0AF00** | 11/14 | C | | 1 | 50 | 044 |
| **8WH2 004-0AF01** | 11/14 | C | | 1 | 50 | 044 |
| **8WH2 004-0AG00** | 11/17 | C | | 1 | 50 | 044 |
| **8WH2 004-0AG01** | 11/17 | C | | 1 | 50 | 044 |
| **8WH2 004-0CE07** | 11/12 | C | | 1 | 50 | 044 |
| **8WH2 004-0CF07** | 11/15 | C | | 1 | 50 | 044 |
| **8WH2 004-0CG07** | 11/17 | C | | 1 | 50 | 044 |
| **8WH2 004-6AF00** | 11/30 | C | | 1 | 50 | 044 |
| **8WH2 004-6CF00** | 11/28 | C | | 1 | 50 | 044 |
| **8WH2 004-6CF01** | 11/28 | C | | 1 | 50 | 044 |
| **8WH2 020-0AE00** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 020-0AE01** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 020-0AF00** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 020-0AF01** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 020-0AG00** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 020-0AG01** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 020-0CE07** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 020-0CF07** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 020-0CG07** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 020-4AF00** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 020-4BF00** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 020-4CF00** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 020-5AF00** | 11/43 | C | | 1 | 50 | 044 |
| **8WH2 020-5BF00** | 11/43 | C | | 1 | 50 | 044 |
| **8WH2 020-5DF00** | 11/43 | C | | 1 | 50 | 044 |
| **8WH2 020-5EF00** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 020-5GF00** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 020-5HF00** | 11/44 | C | | 1 | 50 | 044 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH2 020-5JF30** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 020-5JF60** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 020-5JF80** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 020-5KF00** | 11/44 | C | | 1 | 50 | 044 |
| **8WH2 022-0AF00** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 023-0AF00** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 023-0AF01** | 11/35 | C | | 1 | 50 | 044 |
| **8WH2 023-0CF07** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 025-0AE00** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 025-0AF00** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 025-0AF01** | 11/34 | C | | 1 | 50 | 044 |
| **8WH2 025-0AG00** | 11/36 | C | | 1 | 50 | 044 |
| **8WH2 030-0AF00** | 11/38 | A | | 1 | 50 | 044 |
| **8WH2 030-0AF01** | 11/38 | A | | 1 | 50 | 044 |
| **8WH2 030-4EF00** | 11/38 | A | | 1 | 50 | 044 |
| **8WH2 030-4HF00** | 11/38 | A | | 1 | 50 | 044 |
| **8WH2 035-0AF00** | 11/38 | A | | 1 | 50 | 044 |
| **8WH2 035-0CF07** | 11/39 | A | | 1 | 50 | 044 |
| **8WH2 040-4LF00** | 11/40 | C | | 1 | 50 | 044 |
| **8WH2 040-4LG00** | 11/40 | C | | 1 | 50 | 044 |
| **8WH2 103-2BF00** | 11/23 | C | | 1 | 50 | 044 |
| **8WH2 103-2BF01** | 11/23 | C | | 1 | 50 | 044 |
| **8WH2 103-2BG00** | 11/23 | C | | 1 | 50 | 044 |
| **8WH2 103-2BG01** | 11/23 | C | | 1 | 50 | 044 |
| **8WH2 103-3BF07** | 11/23 | C | | 1 | 50 | 044 |
| **8WH2 103-3BG07** | 11/24 | C | | 1 | 50 | 044 |
| **8WH2 500-0AF00** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 500-0AF01** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 500-0AG00** | 11/49 | C | | 1 | 50 | 044 |
| **8WH2 500-0AG01** | 11/49 | D | | 1 | 50 | 044 |
| **8WH2 500-0AH00** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 500-0AH01** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 500-0CF07** | 11/49 | C | | 1 | 50 | 044 |
| **8WH2 500-0CG07** | 11/50 | C | | 1 | 50 | 044 |
| **8WH2 500-0CH07** | 11/52 | C | | 1 | 50 | 044 |
| **8WH2 500-6AF00** | 11/55 | C | | 1 | 50 | 044 |
| **8WH2 500-6CF00** | 11/53 | C | | 1 | 50 | 044 |
| **8WH2 503-0AF00** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 503-0AF01** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 503-0AG00** | 11/50 | C | | 1 | 50 | 044 |
| **8WH2 503-0AG01** | 11/50 | C | | 1 | 50 | 044 |
| **8WH2 503-0AH00** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 503-0AH01** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 503-0CF07** | 11/49 | C | | 1 | 50 | 044 |
| **8WH2 503-0CG07** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 503-0CH07** | 11/52 | C | | 1 | 50 | 044 |
| **8WH2 504-0AF00** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 504-0AF01** | 11/48 | C | | 1 | 50 | 044 |
| **8WH2 504-0AG00** | 11/50 | C | | 1 | 50 | 044 |
| **8WH2 504-0AG01** | 11/50 | C | | 1 | 50 | 044 |
| **8WH2 504-0CF07** | 11/49 | C | | 1 | 50 | 044 |
| **8WH2 504-0CG07** | 11/51 | C | | 1 | 50 | 044 |
| **8WH2 520-0AF00** | 11/57 | C | | 1 | 50 | 044 |
| **8WH2 520-0AF01** | 11/57 | C | | 1 | 50 | 044 |
| **8WH2 520-0AG00** | 11/57 | C | | 1 | 50 | 044 |
| **8WH2 520-0AG01** | 11/57 | C | | 1 | 50 | 044 |
| **8WH2 520-0CF07** | 11/57 | C | | 1 | 50 | 044 |
| **8WH2 520-0CG07** | 11/57 | C | | 1 | 50 | 044 |
| **8WH3** | | | | | | |
| **8WH3 000-0AE00** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 000-0AE01** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 000-0AF00** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 000-0AF01** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 000-0CE07** | 15/8 | C | | 1 | 50 | 044 |
| **8WH3 000-0CF07** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 000-6AE00** | 15/26 | C | | 1 | 50 | 044 |
| **8WH3 000-6AF00** | 15/26 | C | | 1 | 50 | 044 |
| **8WH3 000-6CF00** | 15/25 | C | | 1 | 50 | 044 |
| **8WH3 000-6CF01** | 15/25 | C | | 1 | 50 | 044 |
| **8WH3 003-0AE00** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 003-0AE01** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 003-0AF00** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 003-0AF01** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 003-0CE07** | 15/8 | C | | 1 | 50 | 044 |
| **8WH3 003-0CF07** | 15/9 | C | | 1 | 50 | 044 |
| **8WH3 004-0AE00** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 004-0AE01** | 15/7 | C | | 1 | 50 | 044 |
| **8WH3 004-0CE07** | 15/8 | C | | 1 | 50 | 044 |
| **8WH3 020-0AE00** | 15/23 | C | | 1 | 50 | 044 |
| **8WH3 020-0AE01** | 15/23 | C | | 1 | 50 | 044 |
| **8WH3 020-0CE07** | 15/23 | C | | 1 | 50 | 044 |
| **8WH3 020-5AE00** | 15/23 | C | | 1 | 50 | 044 |
| **8WH3 100-2DE00** | 15/14 | C | | 1 | 50 | 044 |
| **8WH3 100-2DE01** | 15/14 | C | | 1 | 50 | 044 |
| **8WH3 100-2DF00** | 15/19 | C | | 1 | 50 | 044 |
| **8WH3 100-2DF01** | 15/19 | C | | 1 | 50 | 044 |
| **8WH3 100-2GE00** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 100-2GE01** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 100-2GF00** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 100-2GF01** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 100-3DE07** | 15/17 | C | | 1 | 50 | 044 |
| **8WH3 100-3DF07** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 100-3GE07** | 15/18 | C | | 1 | 50 | 044 |
| **8WH3 100-3GF07** | 15/21 | C | | 1 | 50 | 044 |
| **8WH3 103-2DE00** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 103-2DE01** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 103-2DF00** | 15/19 | C | | 1 | 50 | 044 |
| **8WH3 103-2DF01** | 15/19 | C | | 1 | 50 | 044 |
| **8WH3 103-2HE00** | 15/16 | C | | 1 | 50 | 044 |
| **8WH3 103-2HE01** | 15/16 | C | | 1 | 50 | 044 |
| **8WH3 103-2HF00** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 103-2HF01** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 103-3DE07** | 15/17 | C | | 1 | 50 | 044 |
| **8WH3 103-3DF07** | 15/20 | C | | 1 | 50 | 044 |
| **8WH3 103-3HE07** | 15/18 | C | | 1 | 50 | 044 |
| **8WH3 103-3HF07** | 15/21 | C | | 1 | 50 | 044 |
| **8WH3 120-2FE00** | 15/14 | C | | 1 | 50 | 044 |
| **8WH3 120-2FE01** | 15/14 | C | | 1 | 50 | 044 |
| **8WH3 120-2JE00** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 120-2JE01** | 15/15 | C | | 1 | 50 | 044 |
| **8WH3 120-3FE07** | 15/17 | C | | 1 | 50 | 044 |
| **8WH3 120-3JE07** | 15/18 | C | | 1 | 50 | 044 |
| **8WH4** | | | | | | |
| **8WH4 000-0AF00** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0AF01** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0AG00** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0AG01** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0AH00** | 13/6 | A | | 1 | 50 | 044 |
| **8WH4 000-0AH01** | 13/6 | A | | 1 | 50 | 044 |
| **8WH4 000-0BF00** | 13/9 | A | | 1 | 50 | 044 |
| **8WH4 000-0BG00** | 13/10 | A | | 1 | 50 | 044 |
| **8WH4 000-0BH00** | 13/10 | A | | 1 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH4 000-0CF07** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0CG07** | 13/5 | A | | 1 | 50 | 044 |
| **8WH4 000-0CH07** | 13/6 | A | | 1 | 50 | 044 |
| **8WH4 001-0AF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4CF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4DF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4EF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4FF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4GF00** | 13/14 | A | | 1 | 50 | 044 |
| **8WH4 001-4HF00** | 13/13 | A | | 1 | 50 | 044 |
| **8WH4 001-4MF00** | 13/14 | A | | 1 | 50 | 044 |
| **8WH4 001-4NF00** | 13/14 | A | | 1 | 50 | 044 |
| **8WH4 001-4PF00** | 13/14 | A | | 1 | 50 | 044 |
| **8WH4 003-0BF00** | 13/9 | A | | 1 | 50 | 044 |
| **8WH4 003-0BG00** | 13/10 | A | | 1 | 50 | 044 |
| **8WH5** | | | | | | |
| **8WH5 000-0AF00** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 000-0AF01** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 000-0CF07** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 004-0AF00** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 004-0AF01** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 004-0CF07** | 14/7 | C | | 1 | 50 | 044 |
| **8WH5 100-2KF00** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 100-2KF01** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 100-2KG00** | 14/11 | C | | 1 | 50 | 044 |
| **8WH5 100-2KG01** | 14/11 | C | | 1 | 50 | 044 |
| **8WH5 100-3KF07** | 14/11 | C | | 1 | 50 | 044 |
| **8WH5 100-3KG07** | 14/12 | C | | 1 | 50 | 044 |
| **8WH5 103-2LF00** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 103-2LF01** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 103-3LF07** | 14/11 | C | | 1 | 50 | 044 |
| **8WH5 103-6EF00** | 14/16 | C | | 1 | 50 | 044 |
| **8WH5 103-6FF00** | 14/18 | C | | 1 | 50 | 044 |
| **8WH5 104-2MF00** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 104-2MF01** | 14/10 | C | | 1 | 50 | 044 |
| **8WH5 104-3MF07** | 14/11 | C | | 1 | 50 | 044 |
| **8WH5 120-2MF00** | 14/14 | C | | 1 | 50 | 044 |
| **8WH5 120-2MF01** | 14/14 | C | | 1 | 50 | 044 |
| **8WH5 120-3MF07** | 14/14 | C | | 1 | 50 | 044 |
| **8WH5 125-2MF00** | 14/14 | C | | 1 | 50 | 044 |
| **8WH5 125-2MF01** | 14/14 | C | | 1 | 50 | 044 |
| **8WH6** | | | | | | |
| **8WH6 000-0AF00** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 000-0AF01** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 000-0CF07** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 000-6AF00** | 12/7 | C | | 1 | 50 | 044 |
| **8WH6 000-6CF00** | 12/9 | C | | 1 | 50 | 044 |
| **8WH6 003-0AF00** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 003-0AF01** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 003-0CF07** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 003-6AF00** | 12/7 | C | | 1 | 50 | 044 |
| **8WH6 003-6CF00** | 12/9 | C | | 1 | 50 | 044 |
| **8WH6 004-0AF00** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 004-0AF01** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 004-0CF07** | 12/5 | C | | 1 | 50 | 044 |
| **8WH6 004-6AF00** | 12/7 | C | | 1 | 50 | 044 |
| **8WH6 004-6CF00** | 12/9 | C | | 1 | 50 | 044 |
| **8WH6 020-0AF00** | 12/11 | C | | 1 | 50 | 044 |
| **8WH6 020-0AF01** | 12/11 | C | | 1 | 50 | 044 |
| **8WH6 020-0CF07** | 12/11 | C | | 1 | 50 | 044 |
| **8WH6 025-0AF00** | 12/11 | C | | 1 | 50 | 044 |

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH8** | | | | | | |
| **8WH8 110-1AA05** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 110-2AA05** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 110-3AA05** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 110-4AA05** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 110-5AA05** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 110-7AA05** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 111-1AA05** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 111-2AA05** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 111-3AA05** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 111-4AA05** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 111-5AA05** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 111-7AA05** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 112-1AA05** | 16/4 | C | | 100 | 1024 | 044 |
| **8WH8 112-2AA05** | 16/4 | C | | 100 | 1400 | 044 |
| **8WH8 112-4AA05** | 16/4 | C | | 100 | 1000 | 044 |
| **8WH8 113-1AA05** | 16/4 | C | | 100 | 2000 | 044 |
| **8WH8 113-6AA05** | 16/4 | C | | 100 | 1080 | 044 |
| **8WH8 120-1A□□□** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 120-1XA05** | 16/5 | X | | 100 | 100 | 044 |
| **8WH8 120-2A□□□** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 120-2XA05** | 16/6 | X | | 100 | 100 | 044 |
| **8WH8 120-3A□□□** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 120-3XA05** | 16/7 | X | | 100 | 100 | 044 |
| **8WH8 120-4A□□□** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 120-4XA05** | 16/8 | X | | 100 | 100 | 044 |
| **8WH8 120-5A□□□** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 120-5XA05** | 16/9 | X | | 100 | 100 | 044 |
| **8WH8 120-7AA15** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 120-7XA05** | 16/9 | X | | 100 | 100 | 044 |
| **8WH8 121-1A□□□** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 121-1XA05** | 16/5 | X | | 100 | 100 | 044 |
| **8WH8 121-2A□□□** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 121-2XA05** | 16/6 | X | | 100 | 100 | 044 |
| **8WH8 121-3A□□□** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 121-3XA05** | 16/7 | X | | 100 | 100 | 044 |
| **8WH8 121-4A□□□** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 121-4XA05** | 16/8 | X | | 100 | 100 | 044 |
| **8WH8 121-5A□□□** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 121-5XA05** | 16/9 | X | | 100 | 100 | 044 |
| **8WH8 140-1A□□□** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 140-1XA05** | 16/5 | X | | 100 | 100 | 044 |
| **8WH8 140-2A□□□** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 140-2XA05** | 16/6 | X | | 100 | 100 | 044 |
| **8WH8 140-3A□□□** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 140-3XA05** | 16/7 | X | | 100 | 100 | 044 |
| **8WH8 140-4A□□□** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 140-4XA05** | 16/8 | X | | 100 | 100 | 044 |
| **8WH8 140-5A□□□** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 140-5XA05** | 16/9 | X | | 100 | 100 | 044 |
| **8WH8 140-7XA05** | 16/9 | X | | 100 | 100 | 044 |
| **8WH8 141-1A□□□** | 16/5 | C | | 100 | 100 | 044 |
| **8WH8 141-1XA05** | 16/5 | X | | 100 | 100 | 044 |
| **8WH8 141-2A□□□** | 16/6 | C | | 100 | 100 | 044 |
| **8WH8 141-2XA05** | 16/6 | X | | 100 | 100 | 044 |
| **8WH8 141-3AB05** | 16/7 | C | | 100 | 100 | 044 |
| **8WH8 141-3XA05** | 16/7 | X | | 100 | 100 | 044 |
| **8WH8 141-4A□□□** | 16/8 | C | | 100 | 100 | 044 |
| **8WH8 141-4XA05** | 16/8 | X | | 100 | 100 | 044 |
| **8WH8 141-5AB05** | 16/9 | C | | 100 | 100 | 044 |
| **8WH8 141-5XA05** | 16/9 | X | | 100 | 100 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH8 202-1AA05** | 16/3 | C | | 100 | 1200 | 044 |
| **8WH8 202-2AA05** | 16/3 | C | | 100 | 960 | 044 |
| **8WH8 202-2DA05** | 16/13 | C | | 100 | 560 | 044 |
| **8WH8 202-3AA05** | 16/3 | C | | 100 | 800 | 044 |
| **8WH8 202-4AA05** | 16/3 | C | | 100 | 560 | 044 |
| **8WH8 202-5AA05** | 16/3 | C | | 100 | 480 | 044 |
| **8WH8 202-6AA05** | 16/3 | C | | 100 | 400 | 044 |
| **8WH8 202-7AA05** | 16/3 | C | | 100 | 320 | 044 |
| **8WH8 203-1AA05** | 16/3 | C | | 100 | 1200 | 044 |
| **8WH8 203-2AA05** | 16/3 | C | | 100 | 960 | 044 |
| **8WH8 203-3AA05** | 16/3 | C | | 100 | 800 | 044 |
| **8WH8 203-4AA05** | 16/3 | C | | 100 | 560 | 044 |
| **8WH8 203-5AA05** | 16/3 | C | | 100 | 480 | 044 |
| **8WH8 203-6AA05** | 16/3 | C | | 100 | 400 | 044 |
| **8WH8 203-7AA05** | 16/3 | C | | 100 | 320 | 044 |
| **8WH9** | | | | | | |
| **8WH9 000-0AA00** | 15/9, 15/10, 15/19, 15/20, 15/25, 15/26 | C | | 100 | 50 | 044 |
| **8WH9 000-0GA00** | 11/11, 11/12, 11/13, 11/14, 11/15, 11/21, 11/28, 11/29, 11/30, 11/31, 11/42, 12/5, 12/6, 14/10, 14/11, 14/12 | A | | 100 | 10 | 044 |
| **8WH9 000-0LA00** | 14/10, 14/11, 14/12 | A | | 100 | 50 | 044 |
| **8WH9 000-1AA00** | 15/9, 15/10 | C | | 100 | 50 | 044 |
| **8WH9 000-1CA00** | 15/20, 15/21, 15/22 | C | | 100 | 50 | 044 |
| **8WH9 000-1DA00** | 15/19, 15/20, 15/22 | C | | 100 | 50 | 044 |
| **8WH9 000-1GA00** | 11/11, 11/12, 11/13, 11/15, 11/21, 12/5, 12/6, 14/7, 14/8, 14/10, 14/11, 14/12 | C | | 100 | 50 | 044 |
| **8WH9 000-1GD00** | 11/38, 11/39 | A | | 100 | 50 | 044 |
| **8WH9 000-1GE00** | 11/40 | C | | 100 | 50 | 044 |
| **8WH9 000-1JA00** | 11/48, 11/49, 11/52, 11/53, 11/55 | C | | 100 | 50 | 044 |
| **8WH9 000-1KA00** | 11/57, 11/58 | C | | 100 | 50 | 044 |
| **8WH9 000-1LA00** | 14/7, 14/8 | C | | 100 | 50 | 044 |
| **8WH9 000-1MA00** | 14/14 | C | | 100 | 50 | 044 |
| **8WH9 000-1PA00** | 10/37, 10/38, 10/39, 10/40 | C | | 100 | 50 | 044 |
| **8WH9 000-1QA00** | 10/47, 10/48, 10/49, 10/50, 10/53 | C | | 100 | 50 | 044 |
| **8WH9 000-1VA00** | 11/34, 11/35, 11/36, 11/37, 11/43, 11/44 | C | | 100 | 50 | 044 |
| **8WH9 000-1WA00** | 13/5, 13/6, 13/9, 13/10 | C | | 100 | 50 | 044 |
| **8WH9 000-2AA00** | 15/9, 15/10, 15/25, 15/26 | C | | 100 | 50 | 044 |
| **8WH9 000-2CA00** | 15/20, 15/21, 15/22 | C | | 100 | 50 | 044 |
| **8WH9 000-2DA00** | 15/19, 15/20, 15/22 | C | | 100 | 50 | 044 |
| **8WH9 000-2GA00** | 11/11, 11/12, 11/13, 11/15, 11/21, 11/28, 11/29, 11/30, 11/31, 12/5, 12/6, 14/10, 14/11, 14/12 | C | | 100 | 50 | 044 |
| **8WH9 000-2HA00** | 11/23, 11/24 | C | | 100 | 50 | 044 |
| **8WH9 000-2PA00** | 10/51 | C | | 100 | 50 | 044 |
| **8WH9 000-2VA00** | 11/35, 11/36, 11/37 | C | | 100 | 50 | 044 |
| **8WH9 000-3SC00** | 12/7, 12/9 | C | | 100 | 50 | 044 |
| **8WH9 000-3SD00** | 12/7, 12/9 | C | | 100 | 50 | 044 |
| **8WH9 000-3WA00** | 13/13, 13/15 | A | | 100 | 50 | 044 |
| **8WH9 000-4GA00** | 11/11, 11/12, 11/14, 11/15, 11/21, 11/28, 11/29, 11/30, 11/31, 11/42, 12/5, 12/6 | C | | 100 | 50 | 044 |
| **8WH9 000-4LA00** | 14/16, 14/18 | C | | 100 | 50 | 044 |
| **8WH9 000-4NA00** | 14/7, 14/8 | C | | 100 | 50 | 044 |
| **8WH9 000-4SE00** | 12/11, 12/12 | C | | 100 | 50 | 044 |
| **8WH9 000-5GA00** | 11/28, 11/29, 11/30, 11/31, 12/7, 12/9 | C | | 100 | 50 | 044 |
| **8WH9 000-5LA00** | 14/10, 14/11, 14/12 | | | | | |
| **8WH9 000-6WA00** | 13/14, 13/15 | A | | 100 | 50 | 044 |
| **8WH9 000-7LA00** | 14/20 | C | | 100 | 50 | 044 |
| **8WH9 001-0AA00** | 15/7, 15/8, 15/10, 15/15, 15/17, 15/18, 15/22, 15/26 | C | | 100 | 50 | 044 |
| **8WH9 001-1AA00** | 15/7, 15/8, 15/10 | C | | 100 | 50 | 044 |
| **8WH9 001-1BA00** | 15/23 | C | | 100 | 50 | 044 |
| **8WH9 001-1CA00** | 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-1DA00** | 15/14, 15/15, 15/17, 15/18, 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-1EA00** | 15/14, 15/15, 15/17, 15/18, 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-1FA00** | 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-2AA00** | 15/7, 15/8, 15/10, 15/26 | C | | 100 | 50 | 044 |
| **8WH9 001-2CA00** | 15/16, 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-2DA00** | 15/15, 15/17, 15/18, 15/21 | C | | 100 | 50 | 044 |
| **8WH9 001-4AA00** | 15/7, 15/8, 15/10 | C | | 100 | 50 | 044 |
| **8WH9 002-8AC10** | 10/38, 10/41, 10/43 | C | | 1 | 10 | 044 |
| **8WH9 002-8BC10** | 10/38, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8CC10** | 10/39, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8DC10** | 10/39, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8EC10** | 10/39, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8FC10** | 10/39, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8GC10** | 10/40, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 002-8HC10** | 10/40, 10/41 | C | | 1 | 10 | 044 |
| **8WH9 003-0GA00** | 11/16, 11/17, 11/21 | C | | 100 | 10 | 044 |
| **8WH9 003-1GA00** | 11/16, 11/17, 11/21, 14/11, 14/12 | C | | 100 | 50 | 044 |
| **8WH9 003-1JA00** | 11/49, 11/50, 11/51, 11/52 | C | | 100 | 50 | 044 |
| **8WH9 003-1KA00** | 11/57, 11/58 | C | | 100 | 50 | 044 |
| **8WH9 003-1VA00** | 11/36, 11/37 | C | | 100 | 50 | 044 |
| **8WH9 003-2GA00** | 11/16, 11/17, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 003-2HA00** | 11/23, 11/24 | C | | 100 | 50 | 044 |
| **8WH9 003-4GA00** | 11/17, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 003-7LA00** | 14/20 | C | | 100 | 50 | 044 |

* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH9 003-7WA00** | 13/5, 13/6, 13/10 | C | | 100 | 50 | 044 |
| **8WH9 004-1GA00** | 11/18, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 004-1JA00** | 11/51, 11/52 | C | | 100 | 50 | 044 |
| **8WH9 004-1WA00** | 13/6, 13/10 | A | | 100 | 50 | 044 |
| **8WH9 004-2GA00** | 11/18, 11/19, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 004-2JA00** | 11/51, 11/52 | C | | 100 | 50 | 044 |
| **8WH9 005-1GA00** | 11/19, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 005-3PA00** | 13/7, 13/8, 13/11, 13/12 | C | | 100 | 50 | 044 |
| **8WH9 006-1GA00** | 11/20, 11/21 | C | | 100 | 50 | 044 |
| **8WH9 010-0DB02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-0EB02** | 11/28, 11/29, 11/57, 11/58, 15/7, 15/8, 15/10, 15/23, 15/25, 15/26, 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-0FB02** | 11/28, 11/29, 11/57, 11/58, 15/9, 15/10, 15/25, 15/26, 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-0GB02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-0JB00** | 13/10, 13/15, 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-2AA02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-2BA02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-2CA02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 010-2DA02** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0AC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0BC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0CC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0DC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0EC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-0FC10** | 16/10 | C | | 1 | 10 | 044 |
| **8WH9 020-3AA00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3BA00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3CA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3DA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3EA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3FA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3MA00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3NA00** | 10/56, 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-3PA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-6AC10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6AD10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6AE10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6AF10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6AL10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6AS10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6BC10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6BD10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6BE10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6BF10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6BL10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6BS10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6BT10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6CC10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6CD10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6CE10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6CF10** | 16/11 | C | | 1 | 50 | 044 |
| **8WH9 020-6CL10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6CS10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6CT10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6DC10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6DD10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6DE10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6DF10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6DL10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6EC10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6FC10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6GC10** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 020-6HC00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-6HD00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 020-8AB00** | 11/30, 11/31, 11/55, 12/9, 12/10, 14/18, 15/26, 15/27, 16/12 | C | | 1 | 50 | 044 |
| **8WH9 030-3AC00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3AD00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3BC00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3BD00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3CC00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3CD00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3DC00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3DD00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3EC00** | 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-3ED00** | 10/64 | C | | 1 | 10 | 044 |
| **8WH9 030-5AC00** | 10/59, 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-5AD00** | 10/59, 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-5BC00** | 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-5BD00** | 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-5CC00** | 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-5CD00** | 10/60 | B | | 1 | 10 | 044 |
| **8WH9 030-6AL00** | 13/8 | A | | 1 | 10 | 044 |
| **8WH9 030-6BC00** | 13/8 | A | | 1 | 10 | 044 |
| **8WH9 030-6BD00** | 13/8 | A | | 1 | 10 | 044 |
| **8WH9 040-0BB00** | 11/30, 11/31, 11/55, 12/9, 12/10, 14/18, 15/26, 15/27, 16/12 | C | | 1 | 10 | 044 |
| **8WH9 040-0DB04** | 11/30, 11/31, 11/55, 12/9, 12/10, 14/18, 15/26, 15/27, 16/12 | C | | 1 | 50 | 044 |
| **8WH9 040-1AB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1AB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1AB07** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1BB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1BB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1BB07** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1CB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1CB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1CB07** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1DB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1DB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1DB07** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1EB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1EB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1EB07** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1FB00** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1FB01** | 14/22 | C | | 1 | 50 | 044 |
| **8WH9 040-1FB07** | 14/22 | C | | 1 | 50 | 044 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU Unit(s) | PS*/ P. unit Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH9 040-1KB00** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1KB01** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1KB07** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1LB00** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1LB01** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1LB07** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1MB00** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1MB01** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-1MB07** | 14/23 | C | | 1 | 50 | 044 |
| **8WH9 040-3AB08** | 14/18, 16/12 | C | | 1 | 10 | 044 |
| **8WH9 040-3BB08** | 14/18, 16/12 | C | | 1 | 10 | 044 |
| **8WH9 040-3CB08** | 14/18, 16/12 | C | | 1 | 10 | 044 |
| **8WH9 040-3DB08** | 11/30, 11/31, 11/55, 12/9, 12/10, 14/18, 15/26, 15/27, 16/12 | C | | 1 | 10 | 044 |
| **8WH9 050-0AB00** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-0AB01** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-0AB07** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-0LB00** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-0LB01** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-0LB07** | 14/20 | C | | 1 | 50 | 044 |
| **8WH9 050-2AA04** | 14/22, 14/23, 14/24 | C | | 100 | 50 | 044 |
| **8WH9 050-2BA04** | 14/22, 14/23, 14/24 | C | | 100 | 50 | 044 |
| **8WH9 060-4AA00** | 16/4 | C | | 100 | 100 | 044 |
| **8WH9 060-4BA00** | 11/38, 11/39 | A | | 100 | 100 | 044 |
| **8WH9 060-5AA06** | 11/13, 11/14, 11/21 | B | | 100 | 50 | 044 |
| **8WH9 060-5BA06** | 10/37, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 060-6BA08** | 16/3, 16/13 | X | | 1 | 1 | 044 |
| **8WH9 060-6DA08** | 16/3, 16/13 | | | | | |
| **8WH9 061-5AA06** | 11/11, 11/21 | B | | 100 | 50 | 044 |
| **8WH9 063-5AA06** | 11/16, 11/17, 11/21 | B | | 100 | 50 | 044 |
| **8WH9 063-5BA06** | 10/37, 10/38, 10/41, 10/44, 10/51 | C | | 100 | 50 | 044 |
| **8WH9 064-5AA06** | 11/18, 11/21 | B | | 100 | 10 | 044 |
| **8WH9 064-5BA06** | 10/38, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 065-5AA06** | 11/19, 11/21 | B | | 100 | 25 | 044 |
| **8WH9 065-5BA06** | 10/39, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 066-5AA06** | 11/20, 11/21 | B | | 100 | 25 | 044 |
| **8WH9 066-5BA06** | 10/39, 10/40, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 067-5AA06** | 11/21 | B | | 100 | 10 | 044 |
| **8WH9 067-5BA06** | 10/40, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 070-0AA00** | 11/13, 11/16, 11/21, 11/26, 11/28, 11/29, 11/31, 12/5, 12/6, 12/7, 12/9, 14/7, 14/8, 14/10, 14/11, 14/12 | C | | 100 | 50 | 044 |
| **8WH9 070-0BA00** | 11/34, 11/35, 11/36, 11/37, 11/43, 11/44, 11/57, 11/58, 12/11, 12/12, 14/14 | C | | 100 | 50 | 044 |
| **8WH9 070-0DA00** | 11/18, 11/21, 11/51, 11/52 | C | | 100 | 50 | 044 |
| **8WH9 070-0GA00** | 11/13, 11/16, 11/21, 11/28, 11/29, 11/30, 11/31, 11/42, 12/5, 12/6, 12/7, 12/9, 14/10, 14/11, 14/12 | C | | 100 | 50 | 044 |
| **8WH9 070-0HA00** | 11/14, 11/17, 11/21, 11/28, 11/29, 11/30, 11/31, 12/5, 12/6, 14/7, 14/8, 14/10, 14/11, 14/12, 14/16, 14/18 | C | | 100 | 50 | 044 |
| **8WH9 070-0JA00** | 15/7, 15/8, 15/9, 15/10, 15/14, 15/15, 15/17, 15/18, 15/19, 15/20, 15/21 | C | | 100 | 50 | 044 |
| **8WH9 070-0KA00** | 11/26, 15/7, 15/8, 15/9, 15/10, 15/15, 15/16, 15/17, 15/18, 15/19, 15/20, 15/21, 15/25, 15/26 | C | | 100 | 50 | 044 |
| **8WH9 070-0LA00** | 15/7, 15/8, 15/10 | C | | 100 | 50 | 044 |
| **8WH9 070-0MA00** | 15/14, 15/15, 15/17, 15/18, 15/21, 15/23 | C | | 100 | 50 | 044 |
| **8WH9 070-0VA00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 070-0WA00** | 10/63, 10/64 | C | | 1 | 10 | 044 |
| **8WH9 070-3AA00** | 10/59, 10/60 | B | | 1 | 10 | 044 |
| **8WH9 070-3BA00** | 10/59, 10/60 | B | | 1 | 10 | 044 |
| **8WH9 070-6BA00** | 10/37, 10/38, 10/39, 10/41 | C | | 100 | 50 | 044 |
| **8WH9 070-6FA00** | 10/47, 10/48, 10/49, 10/50, 10/53 | C | | 100 | 50 | 044 |
| **8WH9 070-6GA00** | 13/8 | A | | 100 | 50 | 044 |
| **8WH9 070-6HA00** | 13/8 | A | | 100 | 50 | 044 |
| **8WH9 076-1PA00** | 10/39, 10/40 | C | | 100 | 50 | 044 |
| **8WH9 120-0AA00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 120-0BA00** | 10/56, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 120-0CA00** | 10/57, 10/58 | C | | 1 | 10 | 044 |
| **8WH9 126-0BA01** | 13/12 | C | | 1 | 50 | 044 |
| **8WH9 127-0BA01** | 13/12 | C | | 1 | 50 | 044 |
| **8WH9 130-0AA00** | 10/66 | C | | 1 | 10 | 044 |
| **8WH9 130-0BA00** | 10/66 | C | | 1 | 10 | 044 |
| **8WH9 130-0CA00** | 10/67 | C | | 1 | 10 | 044 |
| **8WH9 130-0DA00** | 10/67 | C | | 1 | 50 | 044 |
| **8WH9 130-0LA00** | 10/66 | C | | 1 | 10 | 044 |
| **8WH9 130-0MA00** | 10/66 | C | | 1 | 10 | 044 |
| **8WH9 130-0NA00** | 10/67 | C | | 1 | 10 | 044 |
| **8WH9 130-0PA00** | 10/67 | C | | 1 | 10 | 044 |
| **8WH9 140-0AF01** | 13/5, 13/6, 13/9, 13/10 | C | | 1 | 50 | 044 |
| **8WH9 140-0BA00** | 10/66, 10/67 | C | | 1 | 10 | 044 |
| **8WH9 140-0CA00** | 10/66, 10/67 | C | | 1 | 10 | 044 |
| **8WH9 140-0DA00** | 10/66, 10/67 | C | | 1 | 10 | 044 |





* You can order this quantity or a multiple thereof.

© Siemens AG 2010



## Order number index

| Order No. | Page | DT | Price per PU | PU<br>Unit(s) | PS*/ P. unit<br>Unit(s) | PG |
|---|---|---|---|---|---|---|
| **8WH9 140-0KA00** | 10/64 | C | | 1 | 10 | 044 |
| **8WH9 141-0AF01** | 13/13, 13/15 | C | | 1 | 50 | 044 |
| **8WH9 141-0AH01** | 13/6, 13/10 | C | | 1 | 50 | 044 |
| **8WH9 150-0CA00** | 10/59, 10/60, 16/10 | A | | 1 | 50 | 044 |
| **8WH9 150-1CA00** | 16/10 | C | | 1 | 100 | 044 |
| **8WH9 160-0AA00** | 10/47, 10/48, 10/49, 10/50, 10/53 | C | | 100 | 50 | 044 |
| **8WH9 200-0AA00** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 200-0AB00** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 200-0AC00** | 16/11 | C | | 1 | 10 | 044 |
| **8WH9 200-0AD00** | 16/11 | C | | 1 | 10 | 044 |

*** You can order this quantity or a multiple thereof.**

© Siemens AG 2010



# Terms and conditions of sale and delivery
# Export regulations

## Terms and conditions of sale and delivery

By using this catalog you can acquire hardware and software products described therein from Siemens AG subject to the following terms. Please note! The scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following terms apply exclusively for orders placed with Siemens AG.

***For customers with a seat or registered office in Germany***

The "General Terms of Payment" as well as the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry" shall apply.

For software products, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany" shall apply.

***For customers with a seat or registered office outside of Germany***

The "General Terms of Payment" as well as the "General Conditions for Supplies of Siemens, Automation and Drives for Customers with a Seat or registered Office outside of Germany" shall apply.

For software products, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office outside of Germany" shall apply.

***General***

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches only apply to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages, - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

The prices are in € (Euro) ex works, exclusive packaging.

The sales tax (value added tax) is not included in the prices. It shall be debited separately at the respective rate according to the applicable legal regulations.

Prices are subject to change without prior notice. We will debit the prices valid at the time of delivery.

Surcharges will be added to the prices of products that contain silver, copper, aluminum, lead and/or gold if the respective basic official prices for these metals are exceeded. These surcharges will be determined based on the official price and the metal factor of the respective product.

The surcharge will be calculated on the basis of the official price on the day prior to receipt of the order or prior to the release order.
The metal factor determines the official price as of which the metal surcharges are charged and the calculation method used. The metal factor, provided it is relevant, is included with the price information of the respective products.

An exact explanation of the metal factor and the text of the Comprehensive Terms and Conditions of Sale and Delivery are available free of charge from your local Siemens business office under the following Order Nos.:

- 6ZB5310-0KR30-0BA1
  (for customers based in Germany)
- 6ZB5310-0KS53-0BA1
  (for customers based outside Germany)

or download them from the Internet
http://www.siemens.com/automation/mall
(Germany: Industry Mall Online-Help System)

## Export regulations

The products listed in this catalog / price list may be subject to European / German and/or US export regulations.

Therefore, any export requiring a license is subject to approval by the competent authorities.

According to current provisions, the following export regulations must be observed with respect to the products featured in this catalog / price list:

| | |
|---|---|
| AL | Number of the German Export List<br>Products marked other than "N" require an export license. In the case of software products, the export designations of the relevant data medium must also be generally adhered to.<br>Goods labeled with "AL" not equal to "N" are subject to a European or German export authorization when being exported out of the EU. |
| ECCN | Export Control Classification Number<br>Products marked other than "N" are subject to a re-export license to specific countries.<br>In the case of software products, the export designations of the relevant data medium must also be generally adhered to.<br>Goods labeled with "ECCN" not equal to "N" are subject to a US re-export authorization. |

Even without a label or with an "AL: N" or "ECCN: N", authorization may be required due to the final destination and purpose for which the goods are to be used.

The deciding factors are the AL or ECCN export designations indicated on order confirmations, delivery notes and invoices.

Errors excepted and subject to change without prior notice.

I IA/DT/VuL_ohne MZ/En 12.05.09

© Siemens AG 2010

# Catalogs

# Industry Automation, Drive Technologies and Electrical Installation Technology

**Further information can be obtained from our branch offices listed in the appendix or at www.siemens.com/automation/partner**


| | Catalog |
|---|---|
| **Interactive Catalog on DVD** | |
| for Industry Automation, Drive Technologies and Low Voltage Distribution | **CA 01** |
| **Drive Systems** | |
| Variable-Speed Drives | |
| SINAMICS G110, SINAMICS G120 Standard Inverters<br>SINAMICS G110D, SINAMICS G120D Distributed Inverters | D 11.1 |
| SINAMICS G130 Drive Converter Chassis Units<br>SINAMICS G150 Drive Converter Cabinet Units | D 11 |
| SINAMICS GM150, SINAMICS SM150 Medium-Voltage Converters | D 12 |
| SINAMICS S120 Chassis Format Units and Cabinet Modules<br>SINAMICS S150 Converter Cabinet Units | D 21.3 |
| Three-phase Induction Motors | D 84.1 |
| • H-compact<br>• H-compact PLUS | |
| Asynchronous Motors Standardline | D 86.1 |
| Synchronous Motors with Permanent-Magnet Technology, HT-direct | D 86.2 |
| DC Motors | DA 12 |
| SIMOREG DC MASTER 6RA70 Digital Chassis Converters | DA 21.1 |
| SIMOREG K 6RA22 Analog Chassis Converters | DA 21.2 |
| PDF: *SIMOREG DC MASTER 6RM70 Digital Converter Cabinet Units* | *DA 22* |
| SIMOVERT PM Modular Converter Systems | DA 45 |
| SIEMOSYN Motors | DA 48 |
| MICROMASTER 420/430/440 Inverters | DA 51.2 |
| MICROMASTER 411/COMBIMASTER 411 | DA 51.3 |
| SIMOVERT MASTERDRIVES Vector Control | DA 65.10 |
| SIMOVERT MASTERDRIVES Motion Control | DA 65.11 |
| Synchronous and asynchronous servomotors for SIMOVERT MASTERDRIVES | DA 65.3 |
| SIMODRIVE 611 universal and POSMO | DA 65.4 |
| SIMOTION, SINAMICS S120 and Motors for Production Machines | PM 21 |
| SINAMICS S110 The Basic Positioning Drive | PM 22 |
| Low-Voltage Three-Phase-Motors | |
| IEC Squirrel-Cage Motors | D 81.1 |
| MOTOX Geared Motors | D 87.1 |
| Automation Systems for Machine Tools SIMODRIVE | NC 60 |
| • Motors<br>• Converter Systems SIMODRIVE 611/POSMO | |
| Automation Systems for Machine Tools SINAMICS | NC 61 |
| • Motors<br>• Drive System SINAMICS S120 | |
| Drive and Control Components for Hoisting Equipment | HE 1 |
| Mechanical Driving Machines | |
| Flender Standard Couplings | MD 10.1 |
| **Electrical Installation Technology** | |
| PDF: *ALPHA Distribution Boards and Terminal Blocks* | *ET A1* |
| PDF: *ALPHA 8HP Molded-Plastic Distribution System* | *ET A3* |
| PDF: *BETA Low-Voltage Circuit Protection* | *ET B1* |
| PDF: *DELTA Switches and Socket Outlets* | *ET D1* |
| PDF: *GAMMA Building Management Systems* | *ET G1* |

| | Catalog |
|---|---|
| **Motion Control** | |
| SINUMERIK & SIMODRIVE Automation Systems for Machine Tools | NC 60 |
| SINUMERIK & SINAMICS Automation Systems for Machine Tools | NC 61 |
| SIMOTION, SINAMICS S120 and Motors for Production Machines | PM 21 |
| SINAMICS S110 The Basic Positioning Drive | PM 22 |
| **Low-Voltage** | |
| Controls and Distribution – SIRIUS, SENTRON, SIVACON | LV 1 |
| Controls and Distribution – Technical Information SIRIUS, SENTRON, SIVACON | LV 1 T |
| SICUBE System Cubicles and Cubicle Air-Conditioning | LV 50 |
| SIDAC Reactors and Filters | LV 60 |
| SIVACON 8PS Busbar Trunking Systems | LV 70 |
| **Power Supply and System Cabling** | |
| Power supply SITOP | KT 10.1 |
| System cabling SIMATIC TOP connect | KT 10.2 |
| **Process Instrumentation and Analytics** | |
| Field Instruments for Process Automation | FI 01 |
| PDF: *Indicators for panel mounting* | *MP 12* |
| SIREC Recorders and Accessories | MP 20 |
| SIPART, Controllers and Software | MP 31 |
| PDF: *Products for Weighing Technology* | *WT 10* |
| PDF: *Process Analytical Instruments* | *PA 01* |
| PDF: *Process Analytics, Components for the System Integration* | *PA 11* |
| **Safety Integrated** | |
| Safety Technology for Factory Automation | SI I0 |
| **SIMATIC HMI** | |
| Human Machine Interface Systems | ST 80 |
| **SIMATIC Industrial Automation Systems** | |
| Products for Totally Integrated Automation and Micro Automation | ST 70 |
| SIMATIC PCS 7 Process Control System | ST PCS 7 |
| Add-ons for the SIMATIC PCS 7 Process Control System | ST PCS 7.1 |
| Migration solutions with the SIMATIC PCS 7 Process Control System | ST PCS 7.2 |
| pc-based Automation | ST PC |
| **SIMATIC NET** | |
| Industrial Communication | IK PI |
| **SIMATIC Sensors** | |
| Sensor Technology for Factory Automation | FS 10 |
| **System Solutions** | |
| Applications and Products for Industry are part of the interactive catalog CA 01 | |
| **TELEPERM M Process Control System** | |
| PDF: *AS 488/TM automation systems* | *PLT 112* |


PDF: *These catalogs are only available as pdf files.*

IA DT LV/3U/En 15.12.09

© Siemens AG 2010

Siemens AG
Industry Sector
Building Technologies Division
Electrical Installation Technology
Postfach 10 09 53
93009 REGENSBURG
GERMANY

www.siemens.com/alpha
www.siemens.com/buildingtechnologies

Subject to change without prior notice
PDF only: (E86060-K8210-A101-B2-7600)
3P.8203.60.02
KG 0110 466 En
© Siemens AG 2010

The information provided in this price list contains characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.
All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

**www.siemens.com/e-installation**