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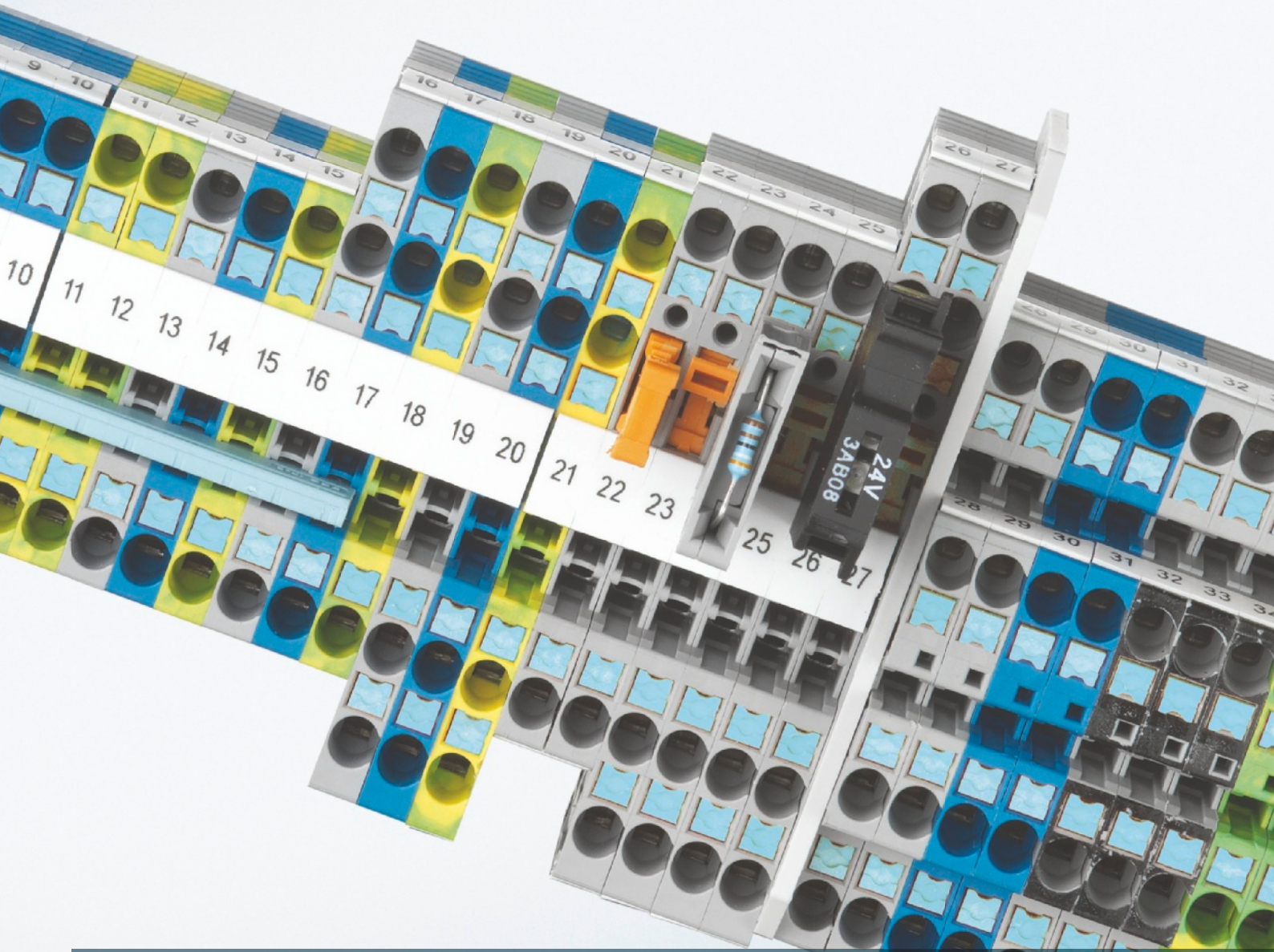

Terminal Blocks

ALPHA FIX

Catalog
LV 52

Edition
2016

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Related catalogs

Low-Voltage Power Distribution and Electrical Installation Technology LV 10
SENTRON • SIVACON • ALPHA
Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems
print (E86060-K8280-A101-A2-7600)

Contents

Air circuit breakers • Molded case circuit breakers • Miniature circuit breakers • Residual current protective devices / AFDDs • Fuse systems • Overvoltage protection devices • Switch disconnectors • Switching devices • Transformers, power supply units and socket outlets • Busbar systems • Measuring devices and power monitoring • Monitoring devices • Software • Switchboards • Busbar trunking systems • System cubicles, system lighting and system air-conditioning • Distribution boards • Molded-plastic distribution systems • 8WH2 spring-loaded terminals

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SIVACON LV 50
System Cubicles, System Lighting and System Air-Conditioning
PDF (E86060-K1920-A101-A8-7600)

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Industry Mall
Information and Ordering Platform in the Internet:
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Products for Automation and Drives CA 01
Interactive Catalog, DVD
E86060-D4001-A510-D6-7600

Catalog PDF / Response E-mail

Catalog PDF
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www.siemens.com/lowvoltage

Technical Support

Expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.
www.siemens.com/lowvoltage/contact

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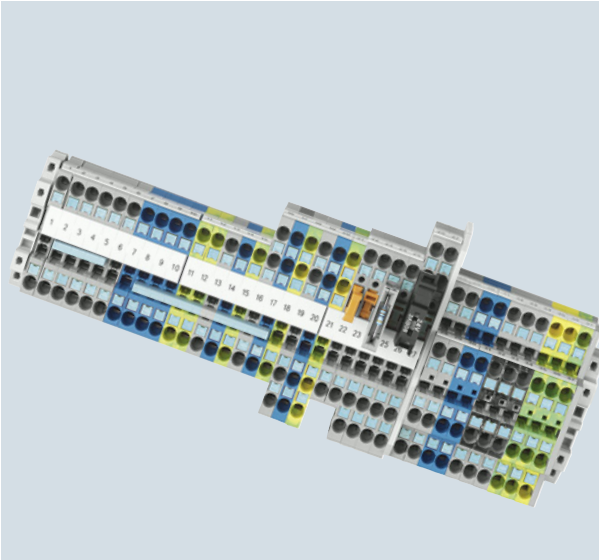
Terminal Blocks

ALPHA FIX



Catalog LV 52 · 2016

Supersedes:
Catalog LV 52 · 2015

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

The products contained in this catalog can also be found in the Interactive Catalog CA 01.
Article No.: E86060-D4001-A510-D6-7600

Please contact your local Siemens branch.

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8WH	8WH6 iPo Plug-In Terminals	2
8WH	8WH6 iPo Installation Terminals	3
8WH	8WH2 Spring-Loaded Terminals	4
8WH	8WH5 Combination Plug-In Terminals	5
8WH	8WH3 Insulation Displacement Terminals	6
8WH	8WH1 Screw Terminals	7
8WH	Accessories for 8WH Terminal Blocks	8
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8WA	8WA2 Spring-Loaded Terminals	10
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The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with EN ISO 9001:2008.

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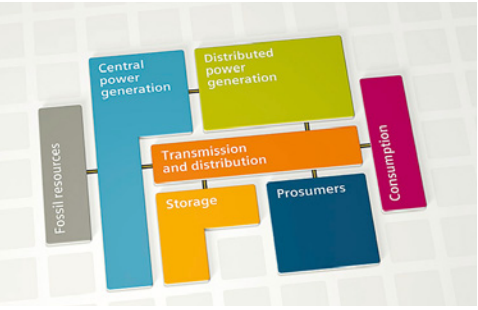
Totally Integrated Power
We bring power to the point – safely and reliably.



Comprehensive solutions for electricity distribution in complex power systems from Siemens

A reliable, highly available and flexible power supply for industries and for buildings and facilities across all voltage levels is the basis for both industrial processes and infrastructure solutions. The solution from Siemens is Totally Integrated Power (TIP), which is linked closely to industrial and building automation systems and into which a company's IT systems can be integrated. This makes it possible to fully exploit the entire optimization potential of an integrated solution. TIP meets even the highest of requirements of systems that are critical in terms of power supply.

TIP is our comprehensive power supply portfolio that contains software and hardware products, systems and solutions for all voltage levels – from the high-voltage power infeed to the low-voltage load. Comprehensive support throughout the lifecycle from planning to maintenance round off our offer.

More information: www.siemens.com/tip

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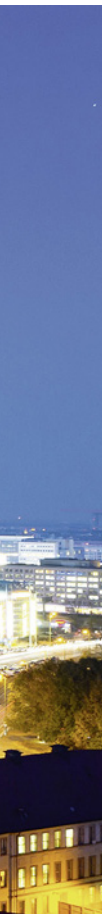
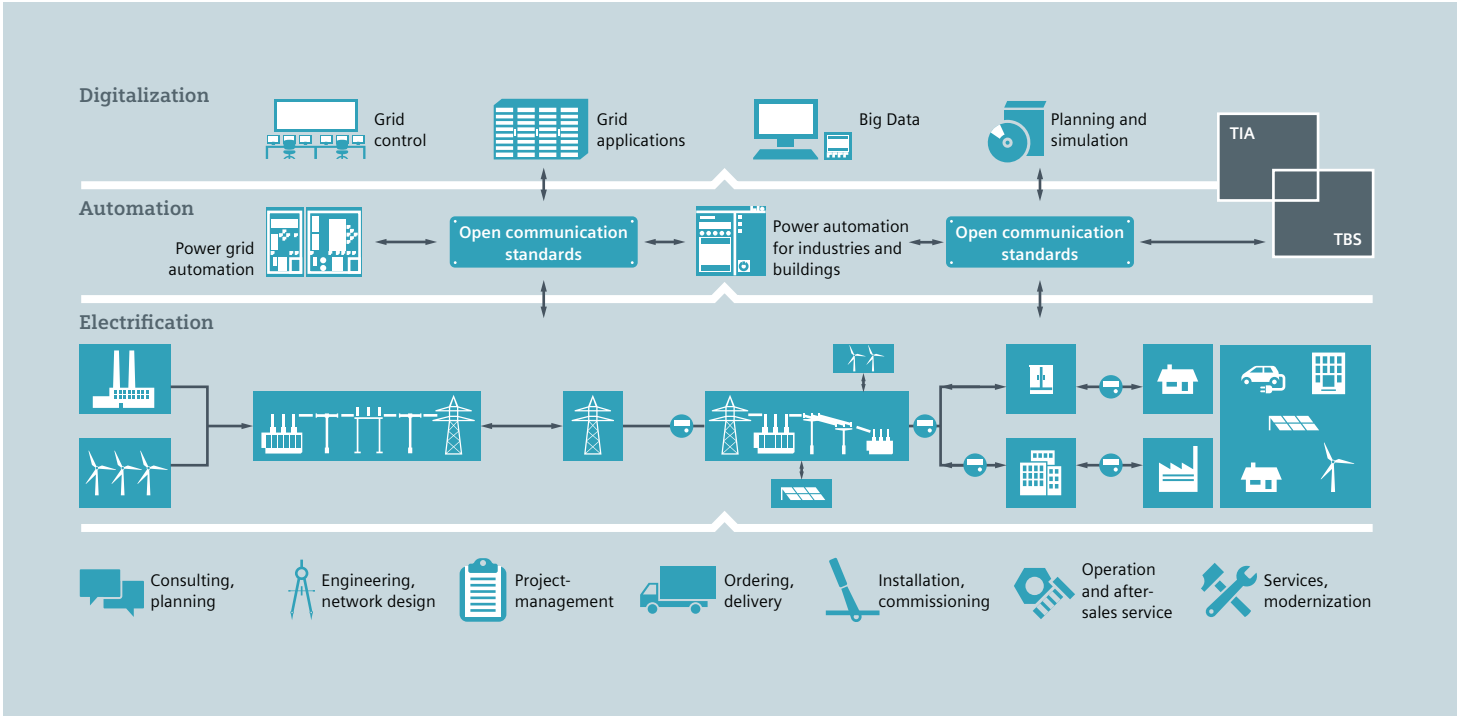


Totally Integrated Power offers more:

- **Consistency**:
  For simplified system planning and commissioning and also easy integration in automation solutions for buildings or production processes
- **Everything from a single source**:
  One reliable partner with a complete portfolio for the entire process and lifecycle – from the first idea to after-sales service
- **Safety**:
  Comprehensive range of protective components for cable, personal and fire protection, safety thanks to design and type tests
- **Reliability**:
  A reliable partner that develops long-lasting solutions with the highest quality standards together with the customer
- **Cost-effectiveness**:
  Bringing power to the point means higher system availability and top energy efficiency in power distribution
- **Flexibility**:
  Consistency and modularity of Totally Integrated Power for any required expandability and adaptation to future requirements
- **Progressive technology**:
  Reliable power supply especially in the case of supply-critical applications, continuous enhancement of technology

Challenges are our strength



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The right one for everyone

Our portfolio includes switchboards, distribution boards, protection, switching, measuring and monitoring devices, switches and socket outlets. All over the world, the universality, modularity and efficiency of our components and systems give you innumerable benefits – all the time they are in use. With products developed according to the respective international standards, we offer forward-looking design with innovative functions while ensuring the highest quality standards worldwide.

Sustainability in focus

As one of the worldwide leaders in the provision of high-quality, standard-compliant products and systems for low-voltage power distribution, we contribute to the sustainable and responsible handling of electrical energy. With our integrated portfolio which ranges from power supply and distribution, through short-circuit and overload protection through to power monitoring, we support the implementation of environmentally friendly energy concepts based on wind power, photovoltaics, intelligent buildings and electromobility.

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Universal, safe and efficient power distribution

Whether in industrial plants, in infrastructure or in buildings: every technical plant depends on the reliable supply of electricity. Our products provide a safe, reliable and efficient electrical infrastructure at the medium and low-voltage levels. Our components reliably protect against accidents, faults and fires caused by electrical installations and allow consumers to utilize electrical power in a sustainable, responsible manner. We are happy to help you with comprehensive support from the initial information stage through to operation.

Everything for power distribution

End-to-end solutions are required for electrical power distribution in buildings. Our answer is Totally Integrated Power (TIP). TIP stands for innovative products, systems and software tools which ensure the safe and reliable distribution of electric power. They are supplemented by circuit breakers and modules with communication capability which connect the power distribution system to the building automation or industrial automation solutions. These in turn can be linked to a comprehensive energy management system which contributes to optimizing the consumption of electricity, hence lowering the costs of operation.

Excellent support

As a competent and reliable partner, we also offer you comprehensive support – from the initial information gathering stage, through planning, configuring and ordering up to commissioning, operation and technical support. We know the needs of your working environment and your daily business. This enables us to offer you flexible and high quality support, allowing you to concentrate on your customers and their needs.

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Planning Efficiency

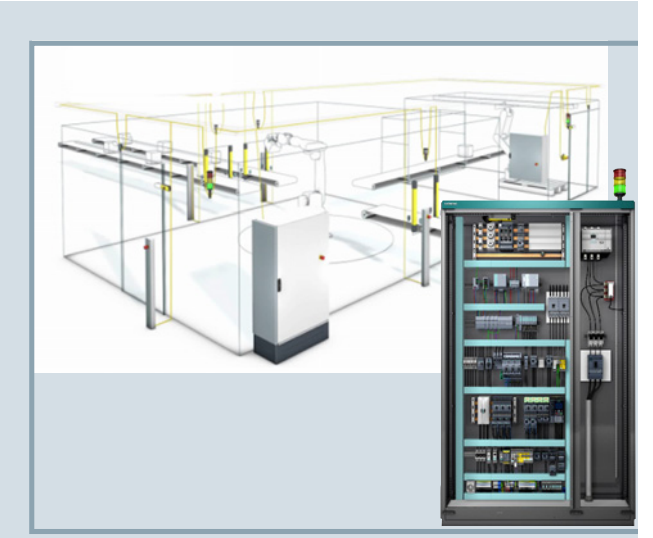
Overview

With Planning Efficiency, Siemens supplies answers to typical questions that often present themselves in electrical planning:

- What is the appropriate product for my application?
- Where can I find product data?
- How can I make processes more efficient and save more time?

The entire electronic support offered by Siemens is merged under Planning Efficiency. At each phase of the project, online functions make the everyday work of the planners easier and more efficient. Planning Efficiency focuses on optimizing the control cabinet configuration among other things.

Especially in this early phase, up to 80% of time and costs can be saved.



In order to supply the planners with all they need and to simplify the modern electrical planning of every aspect of the control cabinet configuration, the electrical support of Planning Efficiency focuses on four benefits:

- Finding the right product faster using intuitive product selection
- Time savings of up to 80 % with universal product data for your CAE and CAD systems
- User-friendly compilation of project-specific documentation
- Comprehensive support – at any time, whatever your location

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Process phases

At each phase of the process, Siemens provides comprehensive online functions free of charge.

This ensures that all the necessary information and product data are available around the clock at any location worldwide.

Configurators for products and systems

With just a few mouse clicks, you will find yourself guided by the configurator to a suitable product or system. Simply enter the relevant parameters and select your individual solution.

CAx Download Manager

The CAx Download Manager can supply you with all the necessary CAx file types for the products of your choice for use in all common CAE and CAD systems. The data contained in the files is continuously updated. The whole process involves only four selection steps and is free of charge. All the files you select will then be compiled into a zip file and made available for you to download for further use. This results in a time saving of up to 80 % because there is no need for manual data collection thanks to the universal manufacturer data for all commonly used CAE and CAD systems.

My Documentation Manager

To provide support when creating the plant documentation, we have developed a manual configurator. My Documentation Manager enables you to assemble the standard-compliant plant documentation individually with just a few clicks of the mouse. Simply select the required sections from the existing manuals of the installed Siemens products.

EPLAN Electric P8 Macro – a big plus for EPLAN users

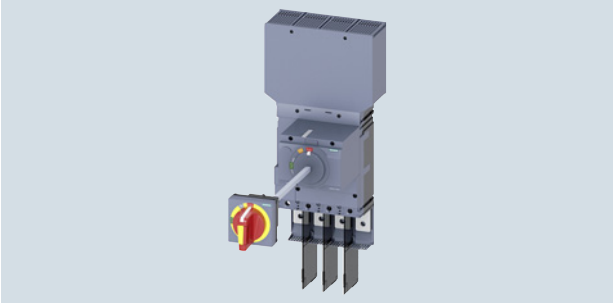
Using the EPLAN Electric P8 Macro in .edz exchange format (EPLAN Data Archived Zipped) the overall time required for data integration can be further reduced. With just a few clicks, the data types for any number of article numbers can be imported and combined. In this way, it is possible for the installed Siemens products to be displayed across different pages of the circuit diagram quickly and easily.

At a glance

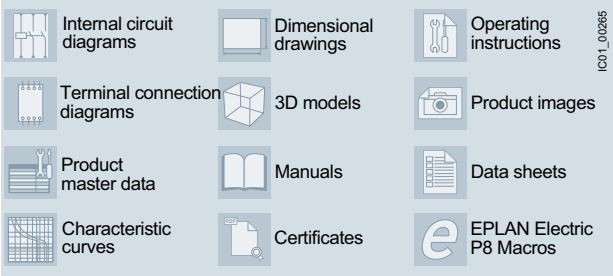
Without Planning Efficiency a lot of time would often be lost due to manual data transmission. Now you are able to concentrate on the essentials. All necessary information and product data is provided by Siemens for easy retrieval.

This makes the control cabinet configuration process more efficient and simplifies your everyday work.

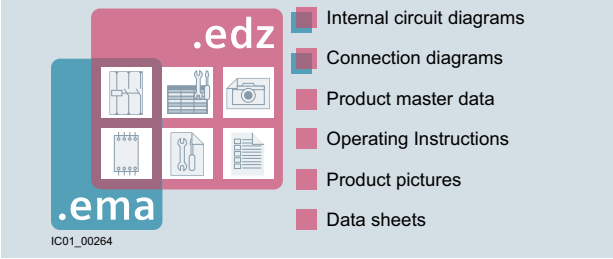
For more information, see www.siemens.com/planning-efficiency.



The configurator supplies the appropriate 3D models and dimension drawings for the control cabinet construction diagram.



The CAx Download-Manager makes 11 universal data types available, as well as the EPLAN Electric P8 macro.



The EPLAN Electric P8 macro in .edz exchange format offers even more compared to the .ema exchange format.

Find out more about
Planning Efficiency in our informative videos

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Technical Support

The Technical Support for low-voltage power distribution and electrical installation technology assists you with all your technical queries about our products and systems – both before and after delivery.

Still have questions?

Our experts will help you with competent specialist support

Competent and fast specialist advice on:

- Product selection
- Commissioning
- Issues during operation
- Possible special versions
- Special requirements
- Product features
- Device communication

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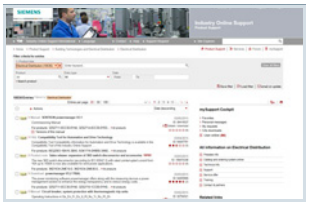
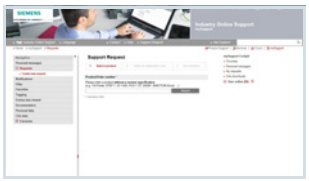
Get all the information you need – with just one click



Technical Support – fast online access to the latest information (Service and Support)

www.siemens.com/lowvoltage/product-support

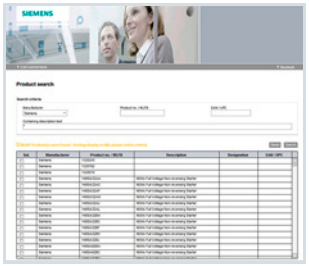
In Product Support you will find FAQs, manuals, certificates, applications and tools, etc.



Support Request – the quickest route to the experts

www.siemens.com/lowvoltage/technical-support

You can put your question directly to our Technical Support team using the Support Request Form in Online Support.



Conversion tool – the easy and efficient way of finding successor products

www.siemens.com/lowvoltage/conversion-tool

The benefits for you

- Response within 4 hours in 93% of cases
- Direct support from an experienced team of engineers and technicians

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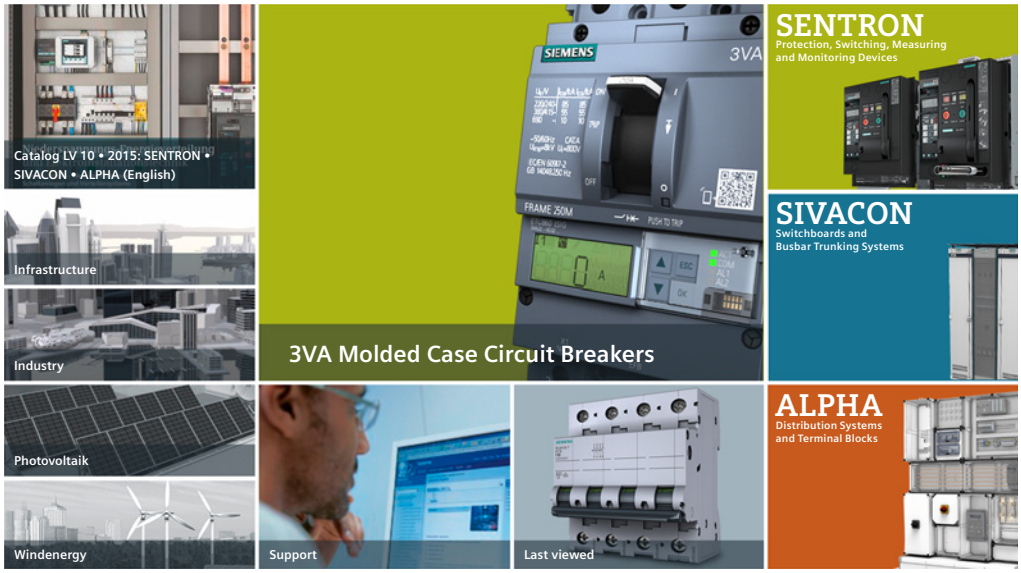
Get all the information you need – with just one click



www.siemens.com/lowvoltage/lv-explorer

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LV Explorer – Discover Low Voltage in 3D
Get comprehensive and specific information about our products using our 3D animations, trailers and technical information.

Information	Planning/Orders	Operation/Service	Training
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Always at your service – every step of the way
We offer comprehensive support, from planning and configuration to operation.

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Notes

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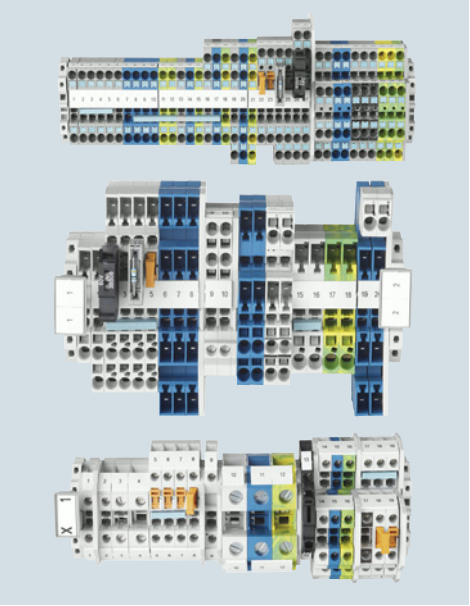

8WH and 8WA terminal blocks

1/2 General data

1/3 Support rails/protective conductor busbars

8WH terminal blocks

1/4 8WH order selection

For further technical product information:

Siemens Industry Online Support:

www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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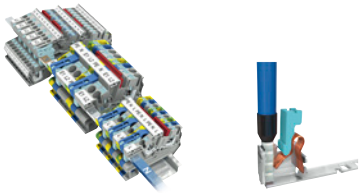
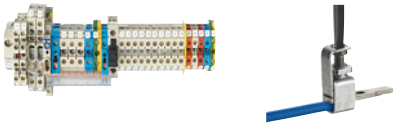
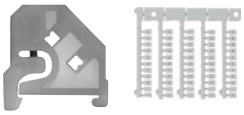
Overview

	Connection system	Section	Special features
8WH Terminal Blocks			
	8WH6 iPo plug-in terminals (iPo: in-Push-out)	2	The iPo connection method combines the advantages of spring-loaded and plug-in terminals – both rigid and flexible wires are easy to insert without the need for tools. Fast installation – with a minimum of effort and maximum contact stability.
	8WH6 iPo installation terminals	3	The iPo connection method combines the advantages of spring-loaded and plug-in terminals – both rigid and flexible wires are easy to insert without the need for tools. Fast installation – with a minimum of effort and maximum contact stability. Fast removal by simply pressing the unlatching button.
	8WH2 spring-loaded terminals	4	With the spring-loaded connection method, the tension spring exerts constant pressure on the conductor, which ensures excellent contact stability – even with applications subject to high levels of vibration. Fast removal by simply pressing the unlatching button.
	8WH5 combination plug-in terminals	5	Combination plug-in terminals are used where high availability is essential in the event of a fault. The contact system is able to withstand even extreme levels of vibration and both the terminal and the connector are fingerproof.
	8WH3 insulation displacement terminals	6	Thanks to the use of insulation displacement terminals, there is no need to strip the conductor. This ensures secure contact between the conductor and the connecting wire of the terminal.
	8WH1 screw terminals	7	The screw terminals have an impressively compact design and offer optimum handling. The elastic deformation capability of the terminal body prevents any creepage of the clamped conductor. Suitable for applications up to 1000 V DC.
	Accessories for 8WH	8	The 8WH accessories supplement the 8WH product range with the additional components required for installation.
8WA terminal blocks			
	8WA1 screw terminals	9	The tried and tested screw terminals are insulated on both sides and enclosed at both ends. These terminals are extremely robust and can withstand high mechanical and thermal loads.
	8WA2 spring-loaded terminals • 8WA2 initiator/actuator terminals	10	Fast and cost-effective connection of signal transmitters.
	Accessories for 8WA	11	The 8WA terminal block accessories supplement the 8WA product range with the additional components required for installation.

Rated short-time withstand current

Our terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm^2 specific to the rated cross-section for one second.

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Overview

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. permissible thermal rated current with PEN function**
mm	**mm**	**mm**					**mm² 1)**	**kA**	**A**
35	7.5	1.5	Non-perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 7.5	16	1.92	1)
35	7.5	1.5	With holes	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 7.5	16	1.92	2)
35	7.5	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	16	1.92	2)
35	7.5	1.5	With holes	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 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 60 715 – 35 × 7.5	16	1.92	2)
35	7.5	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	50	6.0	150
35	7.5	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	35	4.2	125
35	15	2.3	Non-perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 15	50	6.0	2)
35	15	1.5	Non-perforated	Steel	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	2)
35	15	1.5	With holes	Steel	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	2)
35	15	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	2)
35	15	1.5	With holes	Steel	Galvanized	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	2)
35	15	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	95	11.4	232
35	15	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	70	8.4	192

1) Cross-sections calculated acc. to IEC 60439-1 / EN 60 439-1 / EN 60439-1 / VDE 0660 Part 500.

2) Steel protective conductor busbars are not permissible for PEN function.

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8WH order selection

Terminal type	Connection type	Design	Number of terminals	Version	MLFB digits 1...9 / MLFB digits 8...12	
Installation terminals	iPo	Standard	2	L	8WH6001-	
			4	L/L	8WH6001-	
			4	L/N	8WH6001-	
			5	PE/L/L	8WH6001-	
			5	PE/L/N	8WH6001-	
			5	PE/L/NT	8WH6001-	
			5	PE/L/N isolating blade	8WH6001-	
			5	PE/L/L isolating blade	8WH6001-	
			5	PE/L/L through-type term. for isolat. term.	8WH6001-	
			5	PE/L/L isolation	8WH6001-	
	Spring-loaded terminals	Two-tier	4	L/PE	8WH2020-	
			4	N/PE	8WH2020-	
			4	N/L	8WH2020-	
		Three-tier	6	PE/L/N	8WH2030-	
			6	PE/L/L	8WH2030-	

Article No., e.g. 8WH6001- 4FF00

Insta terminal: Plug-in design · 5 connection points
2.5 mm² · Range of functions

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	1.5 mm²			2.5 mm²				4 mm²		
	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal	Terminals with range of functions	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow
							4QF00			
							4DF00			
							4CF00			
							4HF00			
							4EF00			
							4FF00			
							4GF00			
							4NF00			
							4PF00			
							4MF00			
							4AF00			
							4BF00			
							4CF00			
							4EF00			
							4HF00			

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8WH order selection

Connection type	Terminals	Design	Number of terminals	MLFB digits 1...7 / MLFB digits 8...12	1.5 mm² Through-type terminal, gray	1.5 mm² Through-type terminal, colored	1.5 mm² Through-type terminal, blue	1.5 mm² PE terminal, green/yellow	2.5 mm² Through-type terminal, gray	2.5 mm² Through-type terminal, colored	2.5 mm² Through-type terminal, blue	2.5 mm² Instrument isolating terminal, blue	2.5 mm² Isolating terminal, gray	2.5 mm² Instrument isolating terminal, gray	2.5 mm² PE terminal green/yellow
Screw terminal	Standard		2	8WH1000-					0AF00		0AF01				0CF07
		Two-tier	4	8WH1020-					0AF00		0AF01				0CF07
		Two-tier	4	8WH1025-					0AF00						
Spring-loaded terminal	Standard		2	8WH2000-	0AE00	0AE0[1)]	0AE01	0CE07	0AF00	0AF0[1)]	0AF01		6AF00	6CF00	0CF07
			3	8WH2003-	0AE00		0AE01	0CE07	0AF00		0AF01		6AF00	6CF00	0CF07
			4	8WH2004-	0AE00		0AE01	0CE07	0AF00		0AF01	6CF01	6AF00	6CF00	0CF07
		Two-tier	4	8WH2020-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			6	8WH2023-					0AF00		0AF01				0CF07
		Two-tier 1-pole	6	8WH2022-					0AF00						
			4	8WH2025-	0AE00				0AF00		0AF01				
		Three-tier	6	8WH2030-					0AF00		0AF01				
		Three-tier	6	8WH2035-					0AF00						0CF07
		Four-tier	8	8WH2040-					4LF00						
	Molded-case		2	8WH2500-					0AF00		0AF01		6AF00	6CF00	0CF07
			3	8WH2503-					0AF00		0AF01				0CF07
			4	8WH2504-					0AF00		0AF01				0CF07
		Two-tier	4	8WH2520-					0AF00		0AF01				0CF07
iPo	Standard		2	8WH6000-					0AF00		0AF01				0CF07
			3	8WH6003-					0AF00		0AF01				0CF07
			4	8WH6004-					0AF00		0AF01				0CF07
		Two-tier	4	8WH6020-					0AF00		0AF01				0CF07
Combination plugs	Standard		2	8WH5000-					0AF00		0AF01				0CF07
			4	8WH5004-					0AF00		0AF01				0CF07
Insulation displacement terminal technology (IDC)	Standard		2	8WH3000-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			3	8WH3003-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			4	8WH3004-	0AE00		0AE01	0CE07							
		Two-tier	4	8WH3020-	0AE00		0AE01	0CE07							

Article No., e.g. 8WH2500- 0AF00

Standard terminal: Spring-loaded terminal · compact · 2 connection points · 2.5 mm² · Through-type terminal, gray

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4 mm²						6 mm²				10 mm²			16 mm²			35 mm²		
Through-type terminal, gray	Through-type terminal, colored	Through-type terminal, blue	Isolating terminal, Gray	Instrument isolating terminal, gray	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	Isolating terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal green/yellow
0AG00		0AG01	6AG00	6CG00	0CG07	0AH00	0AH01	6AH00	0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
0AG00		0AG01	6AG00	6AC00	0CG07													
0AG00																		
0AG00	0AG0[1)]	0AG01	6AG00	6CG00	0CG07	0AH00	0AH01		0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
0AG00		0AG01			0CG07													
0AG00																		
4GL00																		
0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
0AG00		0AG01			0CG07													
0AG00		0AG01			0CG07													
0AG00		0AG01			0CG07	0AH00	0AH01		0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
0AG00		0AG01			0CG07													
0AG00		0AG01			0CG07													

I201_18328a

[1)]

Red	Green	Orange	White	Yellow	Black
0AE02	0AE03	0AE04	0AE05	0AE06	0AE08

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Notes

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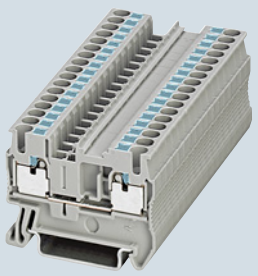
8WH6 iPo Plug-In Terminals



2/2	**Introduction**
2/3	**General data**
2/4	**8WH6 through-type terminals**
2/11	**8WH6 fuse terminals**
2/12	**8WH6 isolating blade terminals**
2/14	**8WH6 isolating terminals**
2/16	**8WH6 two-tier terminals**

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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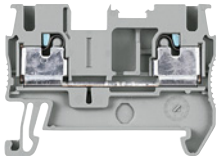
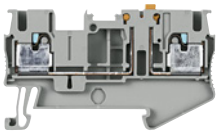
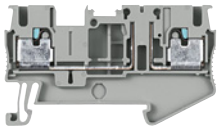
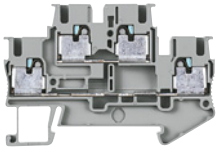
Overview

	Devices	Page	Function
	Through-type terminals	2/4	Connection of incoming and outgoing conductors
	Fuse terminals	2/11	Terminals which can be used to protect control circuits, for example
	Isolating blade terminals	2/12	Isolation of the circuit, e.g. for test purposes
	Isolating terminals	2/14	Isolation of the circuit, e.g. for test purposes
	Two-tier terminals	2/16	Compact form of the terminal blocks in which two connection wires can be installed

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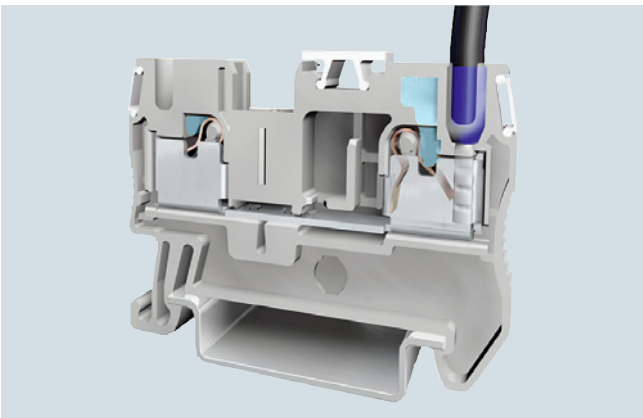
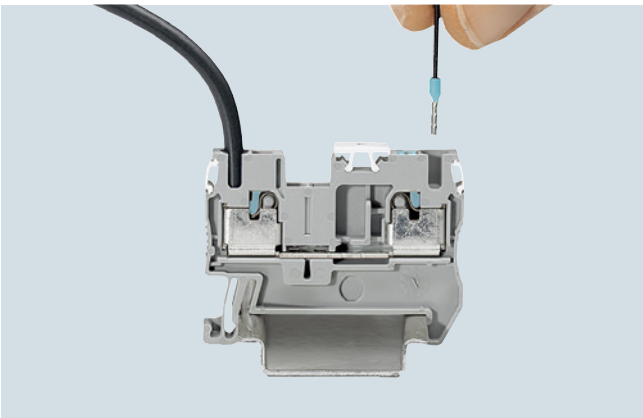
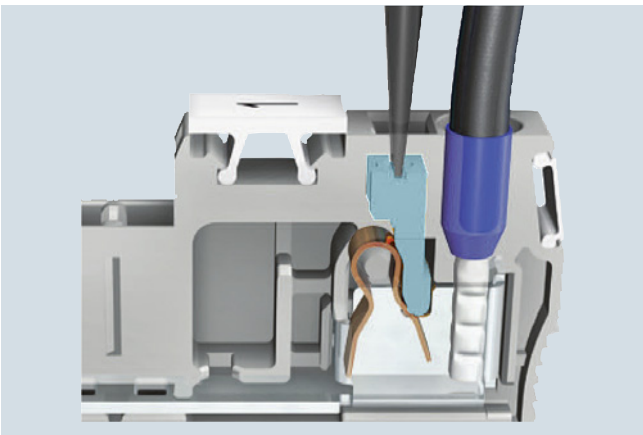
Overview



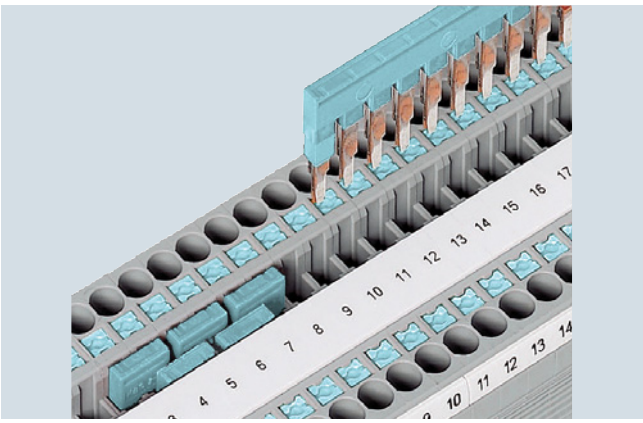
iPo connection method: Characterized by its simple and direct conductor connection, this series utilizes all the benefits of the 8WH system.



Super-light insertion: With an up to 50 % lower insertion force, the iPo connection method permits easy and direct insertion of rigid and flexible conductors with end sleeves with a cross-section of more than 0.34 mm^2.



Pusher button function: The actuation button is used to open the spring to either release the conductor or to connect smaller cross-sections from 0.14 mm^2. It can be operated by any tool.



Easy bridging: The double bridge shaft supports the interconnection of any number of terminals using 2-pole jumpers.
The 2-pole to 50-pole jumpers enable up to 50 terminals to be connected in a single step.

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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 button 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 shaft enables fast creation of an individual potential distribution and infeed, e.g. using a screw terminal.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH6000-0AF00 8WH6000-0AF01 2.5 mm^2	**8WH6003-0AF00 8WH6003-0AF01 2.5 mm^2**	**8WH6004-0AF00 8WH6004-0AF01 2.5 mm^2**
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. technical 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 according 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-section range (IEC / UL/CSA)	26 ... 12 / 24 ... 12		26 ... 12 / --
Connection capacities			
• 1 conductor			
- 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		
• 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.

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	8WH6000-0CF07 2.5 mm²	8WH6003-0CF07 2.5 mm²	8WH6004-0CF07 2.5 mm²
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. technical data			
• Max. Ø in mm²	0.14 ... 4		
• AWG	26 ... 12		
Rating according to IEC 60947-7-1			
• Nominal cross-section in mm²	2.5		
• AWG cross-section range (IEC / UL/CSA)	26 ... 12 / 24 ... 12		26 ... 12 / --
Connection capacities			
• 1 conductor			
- 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		
• 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		

	8WH6000-0AG00 8WH6000-0AG01 4mm²	8WH6003-0AG00 8WH6003-0AG01 4mm²	8WH6004-0AG00 8WH6004-0AG01 4mm²
Dimensions			
• Width / length / height in mm	6.2 / 56 / 36.5	6.2 / 66.5 / 36.5	6.2 / 77 / 36.5
Max. technical data			
• I_{max} in A	38	38[1)]	38[1)]
• U_{max} in V	800	800	800
• Max. Ø in mm²	0.2 ... 6	0.2 ... 6	0.2 ... 6
• AWG	24 ... 10	24 ... 10	24 ... 10
Rating according to IEC 60947-7-1			
• Rated voltage in V (IEC / UL/CSA)	800 / 600	800 / 600	800 / 600
• Rated current in A / cross-section in mm²			
- IEC	32/ 4	32[1)] / 4	32[1)]/ 4
- UL/CSA	30 / --	30 / --	30 / --
• Nominal cross-section in mm²	4	4	4
• AWG cross-section range (IEC / UL/CSA)	24 ... 10 / 24 ... 10	24 ... 10 / 24 ... 10	24 ... 10 / 24 ... 10
Connection capacities			
• 1 conductor			
- Rigid in mm²	0.2 ... 6	0.2 ... 6	0.2 ... 6
- Flexible in mm²	0.2 ... 4	0.2 ... 4	0.2 ... 4
- Flexible end sleeve with/without plastic sleeve in mm²	0.25 ... 4	0.25 ... 4	0.25 ... 4
• Conductor cross-section, direct plug-in			
- Rigid in mm²	0.5 ... 6	0.2 ... 6	0.5 ... 6
- Flexible end sleeve with/without plastic sleeve in mm²	0.5 ... 4	0.5 ... 4	0.5 ... 4
General data			
• Stripped length in mm	12	12	12
• Molded plastic	PA	PA	PA
• Flammability Class acc. to UL 94	V0	V0	V0

1) The total current through all connected conductors must not exceed the max. load current.

	8WH6000-0CG07 4mm²	8WH6003-0CG07 4mm²	8WH6004-0CG07 4mm²
Dimensions			
• Width / length / height (NS 35/7.5) in mm	6.2 / 56 / 36.5	6.2 / 66.5 / 36.5	6.2 / 77 / 36.5
Max. technical data			
• Max. Ø in mm²	0.2 ... 6	0.2 ... 6	0.2 ... 6
• AWG	24 ... 10	24 ... 10	24 ... 10
Rating according to IEC 60947-7-1			
• Nominal cross-section in mm²	4	4	4
• AWG cross-section range (IEC / UL/CSA)	24 ... 10 / 24 ... 10	24 ... 10 / 24 ... 10	24 ... 10 / 24 ... 10
Connection capacities			
• 1 conductor			
- Rigid in mm²	0.2 ... 6	0.2 ... 6	0.2 ... 6
- Flexible in mm²	0.2 ... 4	0.2 ... 6	0.2 ... 6
- Flexible end sleeve with/without plastic sleeve in mm²	0.25 ... 4	0.2 ... 4	0.2 ... 4
• Conductor cross-section, direct plug-in			
- Rigid in mm²	0.5 ... 6		
- Flexible end sleeve with/without plastic sleeve in mm²	0.5 ... 4		
General data			
• Stripped length in mm	12	12	12
• Molded plastic	PA	PA	PA
• Flammability Class acc. to UL 94	V0	V0	V0

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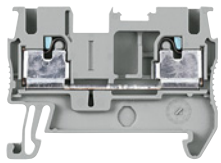
8WH6 through-type terminals

	8WH6000-0AH00 8WH6000-0AH01 6 mm²	8WH6000-0CH0 6 mm²	8WH6000-0AJ00 8WH6000-0AJ01 10 mm²	8WH6000-0CJ07 10 mm²
Dimensions				
• Width/length/cover width in mm	8.2 /57.7 / 2.2	8.2 / 57.7 / 2.2	8.2 / 57.7 / 2.2	8.2 / 57.7 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	43.5 / 51	43.5 / 51	43.5 / 51	43.5 / 51
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A / cross-section in mm²	51 / 10	--	65 / 16	--
• Rated voltage in V	1000	--	1000	--
• Rated impulse withstand voltage in kV / pollution degree	8 / 3	8 / 3	8 / 3	8 / 3
• Overvoltage category / molded plastic group	III / I	III / I	III / I	III / I
Connection capacities				
• Flexible with end sleeve, with plastic sleeve in mm²	0.5 ... 6	0.5 ... 6	0.5 ... 10	0.5 ... 10
• Flexible with end sleeve, without plastic sleeve in mm²	0.5 ... 6	0.5 ... 6	0.5 ... 10	0.5 ... 10
• Rigid in mm²	0.5 ... 10	0.5 ... 10	0.5 ... 16	0.5 ... 16
• Flexible in mm²	0.5 ... 6	0.5 ... 6	0.5 ... 10	0.5 ... 10
Stripped length in mm	12	12	18	18
Plug gauge (IEC 60947-1)	A5	A5	A6	A6
Molded plastic type	PA	PA	PA	PA
• Flammability Class acc. to UL 94	V0	V0	V0	V0
Approval data (UL/cUL and CSA)				
• Rated voltage / rated current / conductor sizes				
- UL/cUL: in V/A / AWG	600 / 40 / 20 ... 8	-- / -- / 20 ... 8	600 / 60 / 20 ... 6	-- / -- / 20 ... 6
- CSA: in V/A / AWG	--	--		--

	8WH6000-0AK00 8WH6000-0AK01 16 mm²	8WH6000-0CK07 16 mm²	8WH6000-0AM00 8WH6000-0AM01 35 mm²	8WH6000-0CM07 35 mm²
Dimensions				
• Width/length/cover width in mm	12.2 / 75.4 / 2.2	12.2 / 75.4 / 2.2	16 / 91.6 / 2.2	16 / 91.6 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	52.6 / 60.1	52.6 / 60.1	-- / 62.3	-- / 62.3
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A / cross-section in mm²	90 / 25	--	125 / 35	--
• Rated voltage in V	1000	--	1000	--
• Rated impulse withstand voltage in kV / pollution degree	8 / 3	8 / 3	8 / 3	8 / 3
• Overvoltage category / molded plastic group	III	III	III	III
Connection capacities				
• Flexible with end sleeve, with plastic sleeve in mm²	0.5 ... 16	0.5 ... 16	6 ... 35	6 ... 35
• Flexible with end sleeve, without plastic sleeve in mm²	0.5 ... 16	0.5 ... 16	6 ... 35	6 ... 35
• Rigid in mm² / AWG	0.5 ... 25 / 20 ... 4	0.5 ... 25 / 20 ... 4	6 ... 35 / 10 ... 2	6 ... 35 / 10 ... 2
• Flexible in mm² / AWG	0.5 ... 16 / 20 ... 6	0.5 ... 16 / 20 ... 6	6 ... 35 / 10 ... 2	6 ... 35 / 10 ... 2
Stripped length in mm	18	18	25	25
Plug gauge (IEC 60947-1)	A7	A7	--	--
Molded plastic type	PA	PA	PA	PA
• Flammability Class acc. to UL 94	V0	V0	V0	V0
Approval data (UL/cUL and CSA)				
• Rated voltage / rated current / conductor sizes				
- UL/cUL: in V/A / AWG	--	--	--	--
- CSA: in V/A / AWG	--	--	--	--

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6000-0AF00	**Through-type terminals, terminal size 2.5 mm²** • c UL us • Terminal width 5.2 mm • I_{max} = 30 A • U_{max} = 800 V • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm²						
	Versions						
	• Two clamping points						
	- Gray		8WH6000-0AF00		1	50 units	1BT
	- Blue		8WH6000-0AF01		1	50 units	1BT
	• Three clamping points						
	- Gray		8WH6003-0AF00		1	50 units	1BT
	- Blue		8WH6003-0AF01		1	50 units	1BT
	• Four clamping points						
	- Gray		8WH6004-0AF00		1	50 units	1BT
	- Blue		8WH6004-0AF01		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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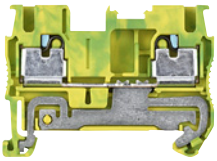
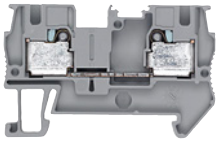
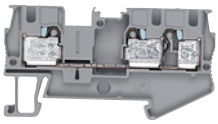
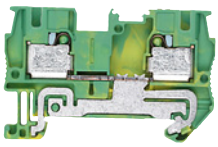
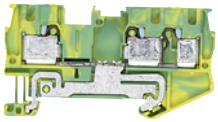
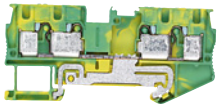
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH6000-0CF07	**PE through-type terminals, terminal size 2.5 mm²** • c UL us • Terminal width 5.2 mm • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm² • Green/yellow						
	Versions						
	• Two clamping points		**8WH6000-0CF07**		1	50 units	1BT
	• Three clamping points		**8WH6003-0CF07**		1	50 units	1BT
	• Four clamping points		**8WH6004-0CF07**		1	50 units	1BT
Terminal size 4 mm²							
 8WH6000-0AG00	**Through-type terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • I_{max} = 38 A • U_{max} = 800 V • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm²						
 8WH6003-0AG00	Versions						
	• Two clamping points						
	- Gray		**8WH6000-0AG00**		1	50 units	1BT
	- Blue		**8WH6000-0AG01**		1	50 units	1BT
8WH6003-0AG01	• Three clamping points						
	- Gray		**8WH6003-0AG00**		1	50 units	1BT
	- Blue		**8WH6003-0AG01**		1	50 units	1BT
8WH6004-0AG00	• Four clamping points						
	- Gray		**8WH6004-0AG00**		1	50 units	1BT
	- Blue		**8WH6004-0AG01**		1	50 units	1BT
8WH6004-0AG01							
 8WH6000-0CG07	**PE through-type terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm² • Green/yellow						
 8WH6003-0CG07	Versions						
	• Two clamping points		**8WH6000-0CG07**		1	50 units	1BT
	• Three clamping points		**8WH6003-0CG07**		1	50 units	1BT
	• Four clamping points		**8WH6004-0CG07**		1	50 units	1BT
 8WH6004-0CG07							

* You can order this quantity or a multiple thereof.

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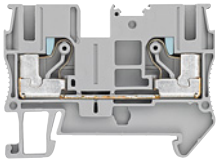
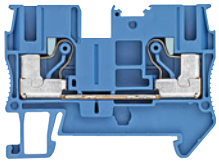
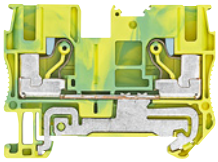
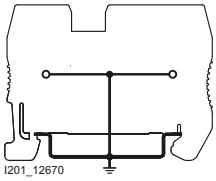
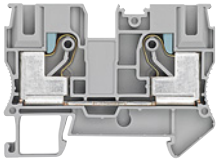
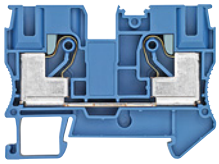
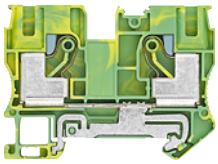
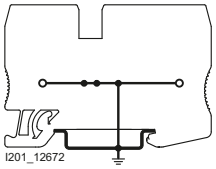
8WH6 through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 6 mm²							
 8WH6000-0AH00	**Through-type terminals, terminal size 6 mm², two clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.5 ... 10 mm² - Flexible 0.5 ... 6 mm² - AWG 20 ... 8 - *I* = 41 A - *U* = 1000 V						
 8WH6000-0AH01	Versions						
	• Gray		**8WH6000-0AH00**		1	50 units	1BT
	• Blue		**8WH6000-0AH01**		1	50 units	1BT
 8WH6000-0CH07	**PE through-type terminals, terminal size 6 mm², two clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-2 - Rigid 0.5 ... 10 mm² - Flexible 0.5 ... 6 mm² - AWG 20 ... 8 • Green/yellow		**8WH6000-0CH07**		1	50 units	1BT
 I201_12670 8WH6000-0CH07							
Terminal size 10 mm²							
 8WH6000-0AJ00	**Through-type terminals, terminal size 10 mm²** • Terminal width 10.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.5 ... 16 mm² - Flexible 0.5 ... 6 mm² - AWG 20-6 - *I* = 57 A - *U* = 1000 V						
 8WH6000-0AJ01	Versions						
	• Gray		**8WH6000-0AJ00**		1	50 units	1BT
	• Blue		**8WH6000-0AJ01**		1	50 units	1BT
 8WH6000-0CJ07	**PE through-type terminals, terminal size 10 mm²** • Terminal width 10.2 mm • c UL us • IEC 60947-7-2 - Rigid 0.5 ... 10 mm² - Flexible 0.5 ... 10 mm² - AWG 20-6 • Green/yellow		**8WH6000-0CJ07**		1	50 units	1BT
 I201_12672 8WH6000-0CJ07							

* You can order this quantity or a multiple thereof.

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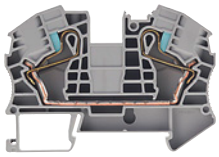
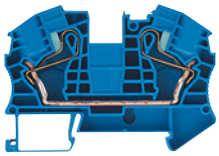
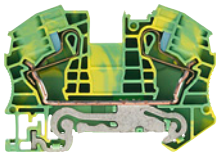
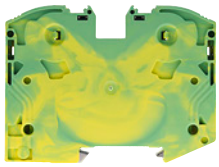
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 16 mm² NEW							
 8WH6000-0AK00	**Through-type terminals, terminal size 16 mm²** • Terminal width 12.2 mm • IEC 60947-7-1 - Rigid 0.5 ... 25 mm² - Flexible 0.5 ... 16 mm² - AWG 20 ... 4 - *I* = 90 A - *U* = 1000 V						
	Versions						
 8WH6000-0AK01	• Gray • Blue		8WH6000-0AK00 8WH6000-0AK01		1 1	50 units 50 units	1BT 1BT
 8WH6000-0CK07	**PE through-type terminals, terminal size 16 mm²** • Terminal width 12.2 mm • IEC 60947-7-2 - Rigid 0.5 ... 25 mm² - Flexible 0.5 ... 16 mm² - AWG 20 ... 4 • Green/yellow		8WH6000-0CK07		1	50 units	1BT
Terminal size 35 mm² NEW							
8WH6000-0AM00	**Through-type terminals, terminal size 35 mm²** • Terminal width 16 mm • Enclosed at both ends • IEC 60947-7-1 - Rigid 6 ... 35 mm² - Flexible 6 ... 35 mm² - AWG 10 ... 2 - *I* = 125 A - *U* = 1000 V						
	Versions						
8WH6000-0AM01	• Gray • Blue		8WH6000-0AM00 8WH6000-0AM01		1 1	50 units 50 units	1BT 1BT
 8WH6000-0CM07	**PE through-type terminals, terminal size 35 mm²** • Terminal width 16 mm • Enclosed at both ends • IEC 60947-7-2 - Rigid 6 ... 35 mm² - Flexible 6 ... 35 mm² - AWG 10 ... 2 - *I* = 125 A - *U* = 1000 V		8WH6000-0CM07		1	50 units	1BT

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8WH6 through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
	Covers, for terminal size 1.5 ... 2.5 mm², width 2.2 mm						
	Versions						
	• For two clamping points		8WH9000-1GA00		100	50 units	1BT
	• For three clamping points		8WH9000-2GA00		100	50 units	1BT
	• For four clamping points		8WH9000-4GA00		100	50 units	1BT
8WH9000-0GA00	**Cover segments, for terminal size 1.5 ... 2.5 mm²** For covering multi-wire terminals when mounting two-wire terminals side-by-side		8WH9000-0GA00		100	10 units	1BT
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray						
	Versions						
	• For two clamping points		8WH9070-0AA00		100	50 units	1BT
	• For three clamping points		8WH9070-0GA00		100	50 units	1BT
	• For four clamping points		8WH9070-0HA00		100	50 units	1BT
	Note						
	For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"						
8WH9003-1GA00	**Covers, for terminal size 4 mm²** Width 2.2 mm						
	Versions						
	• For two clamping points		8WH9003-1GA00		100	50 units	1BT
	• For three clamping points		8WH9003-2SA00		1	50 units	1BT
	• For four clamping points		8WH9003-4SA00		1	50 units	1BT
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray						
	Versions						
	• For two clamping points		8WH9070-0AA00		100	50 units	1BT
8WH9004-3SA00	**Covers, for through-type terminals** • Width 2.2 mm						
	Versions						
	• For two clamping points 6 mm²		8WH9004-3SA00		100	50 units	1BT
	• For two clamping points 10 mm²		8WH9005-1SA00		100	50 units	1BT
8WH9005-1SA00							
8WH9006-1SA00	**Covers, for terminal size 16 mm²** NEW • For closing the open terminal side • Length 75.4 mm • Width 2.2 mm						
	Versions						
	• Gray		8WH9006-1SA00		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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Overview

The fuse terminal is characterized by its compact design and it has the same contour as through-type terminals and function terminals. Double bridging is possible. Versions with LED display for signaling a fuse are also available.

Fuse terminals can be inscribed at their clamping points with flat labels.

Technical specifications

	8WH6000-1GG08	8WH6000-1KG38	8WH6000-1MG88
Dimensions			
• Width / length / height (NS 35/7.5) in mm	6.2 /56 / 62.5		
Max. electrical data			
• I_{max} in A	6.3[1)]		
• U_{max} in V	500		
• Max. Ø in mm²	0.2 ... 6		
• AWG	24 ... 10		
Rating according to IEC 60947-7-1			
• Rated voltage in V (IEC / UL/CSA)	500 / 300		
• Rated current in A / cross-section in mm²			
- IEC	6.3/ 1		
- UL/CSA	6.3 / --		
• Nominal cross-section in mm²	4		
• AWG cross-section range (IEC / UL/CSA)	24 ... 10 / 24 ... 10		
Connection capacities			
• 1 conductor			
- Rigid in mm²	0.2 ... 6		
- Flexible in mm²	0.2 ... 4		
- Flexible end sleeve with/without plastic sleeve in mm²	0.25 ... 4		
• Conductor cross-section, direct plug-in			
- Rigid in mm²	0.5 ... 6		
- Flexible end sleeve with/without plastic sleeve in mm²	0.5 ... 4		
General data			
• Stripped length in mm	12		
• 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
8WH6000-1GG08	**Fuse terminals, terminal size 4 mm², for 5 x 20 mm G fuse links** • c UL us, CE • Terminal width 6.2 mm • I_{max} = 6.3 A • U_{max} = 500 V • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 4 mm² - Flexible 0.2 ... 4 mm² • Black						
	Versions						
	• Without LED		**8WH6000-1GG08**		1	50 units	1BT
	• With LED 10 ... 30 V AC/DC		**8WH6000-1KG38**		1	50 units	1BT
	• With LED 110 ... 250 V AC/DC		**8WH6000-1MG88**		1	50 units	1BT
Accessories							
8WA9003-1GA00	**Covers, for terminal size 4 mm²** • For two clamping points • Width 2.2 mm		**8WH9003-1GA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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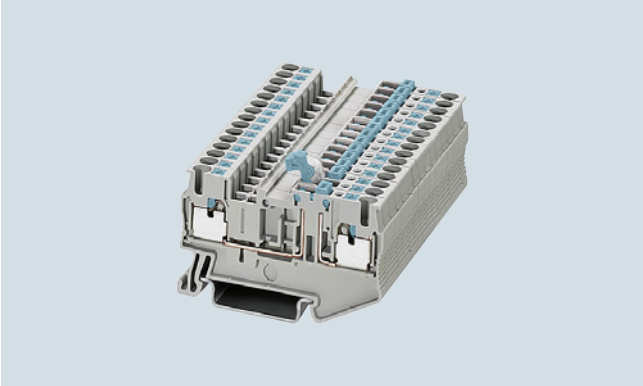
8WH6 isolating blade terminals

Overview



Through-type terminals with isolating blade capability are the most commonly used terminal types in measuring and control technology. Key features of the 8WH6 isolating blade terminals are the slim design of only 5.2 mm and their high current-carrying capacity. Convenient testing is made possible by the integral double function shaft located on one side of the isolating point and the integrated test contact located on the other. Standard connecting combs allow easy execution of all potential-distribution tasks. Three and four-wire terminals up to 2.5 mm² are available for the multi-conductor connection.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH6000-6AF00	8WH6003-6AF00	8WH6004-6AF00
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 according to IEC 60947-7-1			
• Rated voltage in V (IEC)	400		
• 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 conductor			
- 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		
• 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.

	8WH6000-6CG00
Dimensions	
• Width / length / height (NS 35/7.5) in mm	6.2 / 54 / 36.5
Max. electrical data	
• I_{max} in A	20
• U_{max} in V	400
• Max. Ø in mm²	0.2 ... 6
• AWG	24 ... 10
Rating according to IEC 60947-7-1	
• Rated voltage in V (IEC / UL/CSA)	400 / 300
• Rated current in A / cross-section in mm²	
- IEC	20/ 2.5
- UL/CSA	20 / --
• Nominal cross-section in mm²	4
• AWG cross-section range (IEC / UL/CSA)	24 ... 10 / 24 ... 10
Connection capacities	
• 1 conductor	
- Rigid in mm²	0.2 ... 6
- Flexible in mm²	0.2 ... 4
- Flexible end sleeve with/without plastic sleeve in mm²	0.25 ... 4
• Conductor cross-section, direct plug-in	
- Rigid in mm²	0.5 ... 6
- Flexible end sleeve with/without plastic sleeve in mm²	0.5 ... 4
General data	
• Stripped length in mm	12
• Molded plastic	PA
• Flammability Class acc. to UL 94	V0

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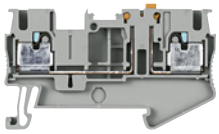
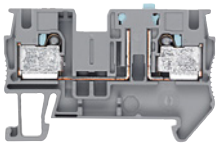
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6000-6AF00	**Isolating blade terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • I_{max} = 20 A • U_{max} = 400 V • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm²						
	Versions						
	• Two clamping points		**8WH6000-6AF00**		1	50 units	1BT
	• Three clamping points		**8WH6003-6AF00**		1	50 units	1BT
	• Four clamping points		**8WH6004-6AF00**		1	50 units	1BT
Terminal size 4 mm²							
 8WH6000-6CG00	**Isolating blade terminals, terminal size 4 mm²** • With 2 clamping points • Terminal width 6.2 mm • I_{max} = 20 A • U_{max} = 400 V • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm² • Connection capacity, two conductors - Rigid 0.5 ... 6 mm²		**8WH6000-6CG00**		1	50 units	1BT
Accessories							
8WH9000-3SC00	**Covers, for terminal size 2.5 mm²** Width 2.2 mm						
	• For two clamping points		**8WH9000-3SC00**		100	50 units	1BT
	• For three clamping points		**8WH9000-3SD00**		100	50 units	1BT
	• For four clamping points		**8WH9000-5GA00**		100	50 units	1BT
8WA9003-1GA00	**Covers, for terminal size 4 mm²** • For two clamping points • Width 2.2 mm		**8WH9003-1GA00**		100	50 units	1BT
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For two clamping points • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-0AA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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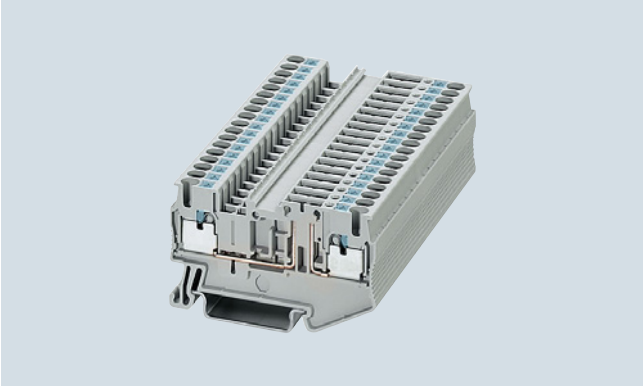
8WH6 isolating terminals

Overview



8WH6 isolating terminals in iPo connection technology are available for special wiring tasks. With the same contour as the isolating blade terminals, 8WH6 isolating terminals are fitted with a universal plug-in zone in the middle of the terminal. Numerous wiring tasks can be performed on a terminal width of 5.2 mm by integrating the isolated through-type connector, the isolating plug, the component connector or the fused plug.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH6000-6CF00	8WH6003-6CF00	8WH6004-6CF00
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 • U_{max} in V • Max. Ø in mm² • AWG	20 400[2)] 0.14 ... 4 26 ... 12	20[1)]	
Rating according to IEC 60947-7-1 • Rated voltage in V (IEC) • Rated current in A / cross-section in mm² (IEC) • Nominal cross-section in mm² (IEC) • AWG cross-section range (IEC)	400[2)] 20 / 2.5 2.5 26 ... 12	20[1)] / 2.5	
Connection capacities • 1 conductor - Rigid in mm² - Flexible in mm² - Flexible end sleeve with/without plastic sleeve in mm² • Conductor cross-section, direct plug-in - Rigid in mm² - Flexible end sleeve with/without plastic sleeve in mm²	 0.14 ... 4 0.14 ... 2.5 0.14 ... 2.5 0.34 ... 4 0.34 ... 2.5		
General data • Stripped length in mm • Molded plastic • Flammability Class acc. to UL 94	10 PA 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.

	8WH6000-6AG00
Dimensions • Width / length / height (NS 35/7.5) in mm	6.2 / 56 / 36.5
Max. electrical data • I_{max} in A • U_{max} in V • Max. Ø in mm² • AWG	20 400[2)] 0.2 ... 6 24 ... 10
Rating according to IEC 60947-7-1 • Rated voltage in V (IEC / UL/CSA) • Rated current in A / cross-section in mm² - IEC - UL/CSA • Nominal cross-section in mm² • AWG cross-section range (IEC / UL/CSA)	400 / 300 20/ 2.5 20 / -- 4 24 ... 10 / 24 ... 10
Connection capacities • 1 conductor - Rigid in mm² - Flexible in mm² - Flexible end sleeve with/without plastic sleeve in mm² • Conductor cross-section, direct plug-in - Rigid in mm² - Flexible end sleeve with/without plastic sleeve in mm²	 0.2 ... 6 0.25 ... 4 0.25 ... 4 0.5 ... 6 0.5 ... 4
General data • Stripped length in mm • Molded plastic • Flammability Class acc. to UL 94	12 PA V0

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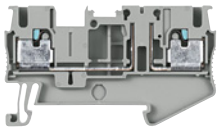
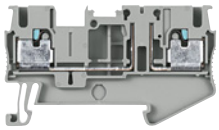
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6000-6CF00	**Isolating terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • I_{max} = 20 A • U_{max} = 400 V • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm²						
	Versions						
	• Two clamping points		**8WH6000-6CF00**		1	50 units	1BT
	• Three clamping points		**8WH6003-6CF00**		1	50 units	1BT
	• Four clamping points		**8WH6004-6CF00**		1	50 units	1BT
Terminal size 4 mm²							
 8WH6000-6AG00	**Isolating terminals, terminal size 4 mm²** • With two clamping points • Terminal width 6.2 mm • I_{max} = 20 A • U_{max} = 400 V • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm²		**8WH6000-6AG00**		1	50 units	1BT
Accessories							
8WH9000-3SC00	**Covers, for terminal size 2.5 mm²** Width 2.2 mm						
	• For two clamping points		**8WH9000-3SC00**		100	50 units	1BT
	• For three clamping points		**8WH9000-3SD00**		100	50 units	1BT
	• For four clamping points		**8WH9000-5GA00**		100	50 units	1BT
8WA9003-1GA00	**Covers, for terminal size 4 mm²** • For two clamping points • Width 2.2 mm		**8WH9003-1GA00**		100	50 units	1BT
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For two clamping points • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-0AA00**		100	50 units	1BT
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For three clamping points • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-0GA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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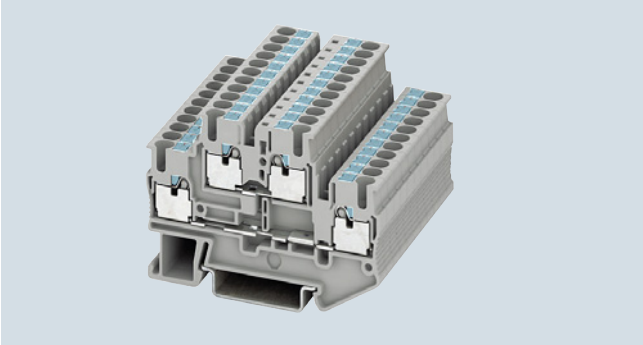
Overview



With the two voltage levels routed through two tiers, the 8WH6 two-tier terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of wiring 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 two-tier PE terminals round off the product range. Perfect mechanical and electrical contact with the support rail is provided by simply snapping the terminals onto the rail. 8WH6 two-tier PE terminals comply with all the requirements of IEC 60947-7-2. These include in particular:

- Low contact resistance
- Stainless clamping points
- Green-yellow enclosure
- Additional inscription options

An inscription label can be mounted flat at each clamping point by simply snapping it on.

Technical specifications

	8WH6020-0AF00 8WH6020-0AF01	8WH6025-0AF00	8WH6020-0CF07	8WH6020-0AG00 8WH6020-0AG01	8WH6025-0AG00	8WH6020-0CG07
Dimensions						
• Width / length / height (NS 35/7.5) in mm	5.2 / 68 / 47.5	5.2 / 78 / 55		6.2 / 83.5 / 47.5		
Max. electrical data						
• I_{max} in A	26	26[1)]	--	32		--
• U_{max} in V	500		--	500		--
• Max. Ø in mm²	0.14 ... 4			0.2 ... 6		
• AWG	26 ... 12			24 ... 10		
Rating according to IEC 60947-7-1						
• Rated voltage in V (IEC)	500		--	500 / 600		--
• Rated current in A / cross-section in mm²						
- IEC	20 / 2.5	20[1)] / 2.5	-- / --			-- / --
- UL/CSA				30 / --		-- / --
• Nominal cross-section in mm² (IEC)	2.5			4		
• AWG cross-section range (IEC)	26 ... 12			24 ... 10 / 24 ... 10		
Connection capacities						
• 1 conductor						
- Rigid in mm²	0.14 ... 4			0.2 ... 6		
- Flexible in mm²	0.14 ... 2.5			0.2 ... 4		
- Flexible end sleeve with/without plastic sleeve in mm²	0.14 ... 2.5			0.25 ... 4		
• Conductor cross-section, direct plug-in						
- Rigid in mm²	0.34 ... 4			0.5 ... 6		
- Flexible end sleeve with/without plastic sleeve in mm²	0.34 ... 2.5			0.5 ... 4		
General data						
• Stripped length in mm	10			12		
• Molded plastic	PA			PA		
• Flammability Class acc. to UL 94	V0			V0		

1) The total current through all connected conductors must not exceed the max. load current.

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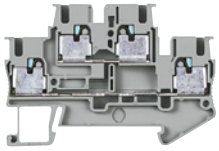
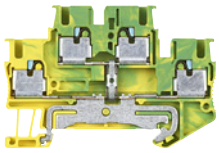
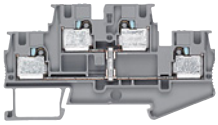
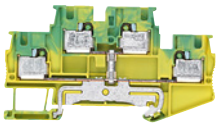
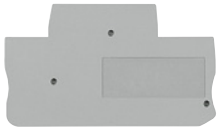
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6020-0AF00	**Two-tier terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • I_{max} = 26 A • U_{max} = 500 V • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm²						
	Versions						
	• Without equipotential bonding						
	- Gray		**8WH6020-0AF00**		1	50 units	1BT
	- Blue		**8WH6020-0AF01**		1	50 units	1BT
	• With equipotential bonding		**8WH6025-0AF00**		1	50 units	1BT
 8WH6020-0CF07	**PE two-tier terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • AWG 26 ... 12 • Connection capacity, one conductor - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm² • Green/yellow		**8WH6020-0CF07**		1	50 units	1BT
	Note						
	Bridging the terminal is only possible in the top tier (in the center).						
Terminal size 4 mm²							
 8WH6025-0AG00	**Two-tier terminals, terminal size 4 mm²** • Terminal width 6.2 mm • I_{max} = 32 A • U_{max} = 500 V • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm²						
	Versions						
	• Without equipotential bonding						
	- Gray		**8WH6020-0AG00**		1	50 units	1BT
	- Blue		**8WH6020-0AG01**		1	50 units	1BT
	• With equipotential bonding		**8WH6025-0AG00**		1	50 units	1BT
 8WH6020-0CF07	**PE two-tier terminals, terminal size 4 mm²** • Terminal width 6.2 mm • AWG 24 ... 10 • Connection capacity, one conductor - Rigid 0.2 ... 6 mm² - Flexible 0.2 ... 4 mm² • Green/yellow		**8WH6020-0CG07**		1	50 units	1BT
	Note						
	Bridging the terminal is only possible in the top tier (in the center).						
Accessories							
 8WH9000-4SE00	**Covers, for terminal size 1.5 ... 2.5 mm²** • Width 2.2 mm • Gray		**8WH9000-4SE00**		100	50 units	1BT
8WH9003-1VA00	**Covers, for terminal size 1.5 ... 4 mm²** • For two clamping points • Width 2.2 mm		**8WH9003-1VA00**		100	50 units	1BT
8WH9070-0BA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-0BA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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Notes

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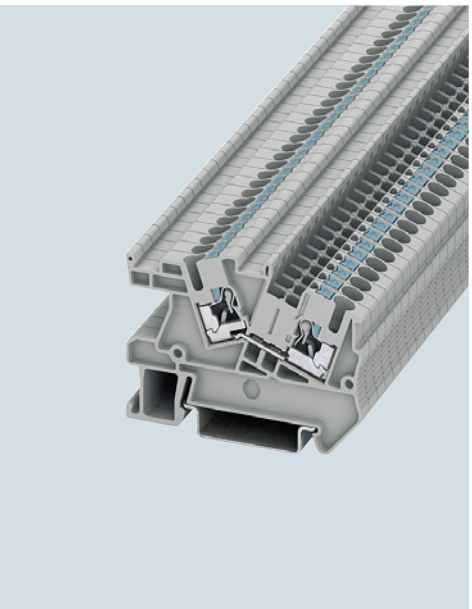

3/2	**Introduction**
3/4	**8WH through-type terminals**
3/6	**8WH through-type screw terminals**
3/8	**8WH N-conductor isolating terminals**
3/10	**8WH N-conductor isolating screw terminals**
3/12	**8WH installation terminals**

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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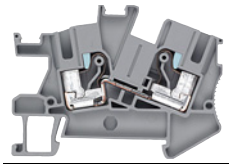
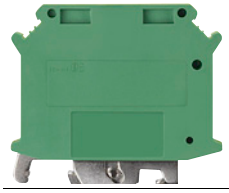
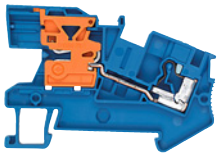
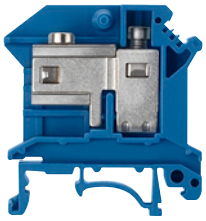
Overview

	Devices	Page	Function
	8WH through-type terminals	3/4	Connection of incoming and outgoing conductors up to 6 mm²
	8WH through-type screw terminals	3/6	Connection of incoming and outgoing conductors up to 35 mm² with screw terminals
	8WH N-conductor isolating terminals	3/8	Terminal blocks up to 6 mm² and connection of an N-bus-bar 10 × 3 mm
	8WH N-conductor isolating screw terminals	3/10	Terminal blocks with screw connection up to 35 mm² and connection of an N-busbar 10 × 3 mm
	8WH installation terminals	3/12	Terminal blocks for connection of an N-busbar 10 × 3 mm. These terminals offer up to three terminal functions in a single enclosure and are optimized for distribution board applications in installation technology.

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Conductor cross-section	Terminal type[1]		Color	Screw terminals	iPo technology	Article No. (digits 8 ... 12)
			Terminal type →	Screw terminals	iPo technology	
			Design →	Standard	Insta	
			No. of clamping points →	2		
			Article No. (digits 1 ... 7) →	8WH1001	8WH6001	
2.5 mm²	Through-type		Gray	--	✔	0AF00
			Blue	--	✔	0AF01
	N-conductor isolating		Blue	--	✔	0BF01
	PE		Green/yellow	--	✔	0CF07
	Insta	L	Gray	--	✔	4QF00
		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
	N-conductor isolating		Blue	--	✔	0BG01
	PE		Green/yellow	--	✔	0CG07
6 mm²	Through-type		Gray	--	✔	0AH00
			Blue	--	✔	0AH01
	N-conductor isolating		Blue	--	✔	0BH01
	PE		Green/yellow	--	✔	0CH07
10 mm²	N-conductor isolating		Blue	✔	--	0BJ01
16 mm²	Through-type		Gray	✔	--	0AK00
			Blue	✔	--	0AK01
	N-conductor isolating		Blue	✔	--	0BK01
	PE		Green/yellow	✔	--	0CK07
35 mm²	Through-type		Gray	✔	--	0AM00
			Blue	✔	--	0AM01
	N-conductor isolating		Blue	✔	--	0BM01
	PE		Green/yellow	✔	--	0CM07

[1] Only the main terminal types are listed here. You will find further versions on the following pages.

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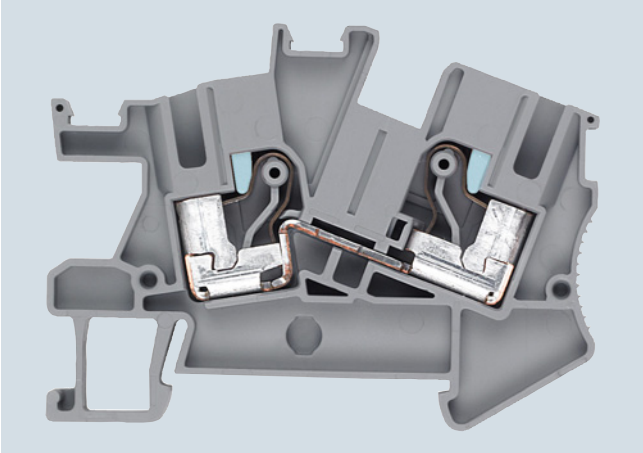
Overview



All types of conductors can be used with 8WH6 iPo technology.

Rigid conductors and crimped flexible conductors are plugged directly into the terminal.

Flexible, untreated conductors can be connected using a screwdriver.

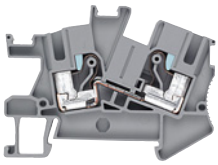
These terminals can be used interconnected with the N-busbar 10 × 3 mm.

An inscription label can be snapped on to the middle of each terminal at the front. Labels can also be mounted flat on the clamping points of the terminals.

Technical specifications

		8WH6001-0AF00 8WH6001-0AF01	8WH6001-0CF07	8WH6001-0AG00 8WH6001-0AG01	8WH6000-0CG07	8WH6001-0AH00 8WH6001-0AH01	8WH6001-0AH07
Cross-section	mm²	2.5	2.5 (PE)	4	4 (PE)	6	6 (PE)
Dimensions							
• Width / length / width of cover	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)	mm	43 / 50.5		46.3 / 53.8		50 / 57.5	
Rated current I_n cross-section	A/mm²	24 / 2.5	-- / 2.5	32 / 4	-- / 4	41 / 6	-- / 6
Max. load current I_{max} / cross-section	A/mm²	24 / 4	-- / 4	32 / 6	-- / 6	50/10	-- / 10
Rated voltage U_n	V	800	--	800	--	800	--
Connection capacities							
• Rigid	mm²	0.14 ... 4		0.2 ... 6		0.5 ... 10	
• Flexible with end sleeve	mm²	0.25 ... 2.5		0.25 ... 4		0.5 ... 6	
Stripped length	mm	10		12	10	12	
Molded plastic type		PA					
Flammability class acc. to UL 94		V0					
Support rails/protective conductor busbars		--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6001-0AF00	**Through-type terminals, terminal size 2.5 mm², acc. to IEC 60 947-7-1** • Terminal width 5.2 mm, terminal length 59.5 mm • Terminal height (NS 35/7.5) 43 mm • Max. load current I_{max} = 24 A • Rated voltage U_n = 800 V • Rigid 0.14 ... 4 mm² • Flexible with end sleeve 0.14 ... 2.5 mm² • AWG 26 ... 12						
	Versions						
	• Gray		**8WH6001-0AF00**		1	50 units	1BT
	• Blue		**8WH6001-0AF01**		1	50 units	1BT
8WH6001-0CF07	**Through-type PE terminals, terminal size 2.5 mm², IEC 60 947-7-2** • Green/yellow • Terminal width 5.2 mm, terminal length 59.5 mm • Terminal height 43 mm • Cross-section max. 4 mm² • Rigid 0.2 ... 4 mm² • Flexible with end sleeve 0.2 ... 2.5 mm² • AWG 24 ... 12		**8WH6001-0CF07**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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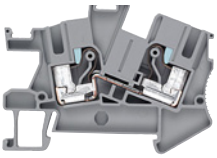
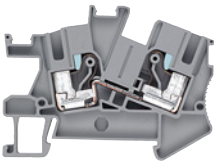
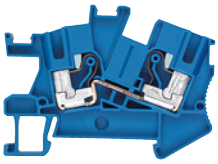
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH6001-0AG00	**Through-type terminals, terminal size 4 mm², acc. to IEC 60947-7-1** • Terminal width 6.2 mm • Terminal length 66 mm • Terminal height 46.3 mm • Max. load current I_{max} = 32 A • Rated voltage U_n = 800 V • Rigid 0.2 ... 6 mm² • Flexible with end sleeve 0.2 ... 4 mm² • AWG 24 ... 10						
	Versions						
	• Gray		**8WH6001-0AG00**		1	50 units	1BT
	• Blue		**8WH6001-0AG01**		1	50 units	1BT
8WH6001-0AG07	**Through-type PE terminals, terminal size 4 mm², acc. to IEC 60947-7-2** • Green/yellow • Terminal width 6.2 mm • Terminal length 66 mm • Terminal height 46.3 mm • Rigid 0.2 ... 6 mm² • Flexible with end sleeve 0.2 ... 4 mm² • AWG 24 ... 10		**8WH6001-0CG07**		1	50 units	1BT
Terminal size 6 mm²							
 8WH6001-0AH00	**Through-type terminals, terminal size 6 mm², acc. to IEC 60947-7-1** • Terminal width 8.2 mm • Terminal length 66 mm • Terminal height 50 mm • Max. load current I_{max} = 41 A • Rated voltage U_n = 800 V • Rigid 0.5 ... 10 mm² • Flexible with end sleeve 0.5 ... 6 mm² • AWG 20 ... 8						
	Versions						
 8WH6001-0AH01	• Gray		**8WH6001-0AH00**		1	50 units	1BT
	• Blue		**8WH6001-0AH01**		1	50 units	1BT
8WH6001-0AH07	**Through-type PE terminals, terminal size 6 mm², acc. to IEC 60947-7-2** • Green/yellow • Terminal width 8.2 mm • Terminal length 66 mm • Terminal height 50 mm • Rigid 0.5 ... 10 mm² • Flexible without end sleeve 0.5 ... 10 mm² • Flexible with end sleeve 0.5 ... 6 mm² • AWG 20 ... 8		**8WH6001-0CH07**		1	50 units	1BT
Accessories							
8WH9143-0AF01	**Support brackets** • Made of blue molded plastic • For holding the N-busbar						
	Versions						
	• For terminal size 2.5 ... 4 mm²		**8WH9143-0AF01**		1	50 units	1BT
	• For terminal size 6 mm²		**8WH9143-0AH01**		1	50 units	1BT
8WH9000-1WA00	**Covers** Gray						
	Versions						
	• For terminal size 2.5 mm²		**8WH9000-1WA00**		100	50 units	1BT
	• For terminal size 4 mm²		**8WH9003-7WA00**		100	50 units	1BT
	• For terminal size 6 mm²		**8WH9004-1WA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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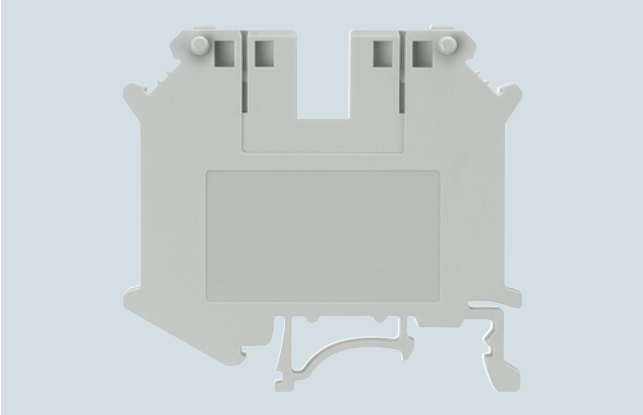
Overview



We offer a comprehensive range of installation terminals with iPo technology 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.

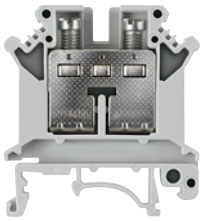
Terminal blocks mounted on N-busbars are most commonly used in building management systems. In order to enable the butt-mounting of different terminals, contact to the N-busbar is always on the same mounting level. This means that 8WH1-001 screw terminals and 8WH6-001 plug-in terminals can be combined as required and mounted on a single support rail.

Labels can be affixed at each clamping point by simply snapping them on at the front.

Technical specifications

		8WH1001-0AK00 8WH1001-0AK01	8WH1001-0CK07	8WH1001-0AM00 8WH1001-0AM01	8WH1001-0CM07
Cross-section	mm²	16	16 (PE)	35	35 (PE)
Max. cross-section with comb (rigid / flexible)	mm²	16 / 16	--	35 / 35	--
Dimensions					
• Width / length / width of cover	mm	12.2 / 42.5 / 1.8	12.2 / 42.5 / --	15.2 / 55 / --	15.2 / 55 / --
• Height (TS 35/7.5 / TS 35/15)	mm	47 / 54.5 / 52	47 / 54.5 / 52	51 / 58.5 / 56	51 / 58.5 / 56
Max. load current I_{max} / cross-section	A/mm²	101 / 25	101 / 25	125 / 35	125 / 35
Rated impulse withstand voltage / pollution degree	kV	6 / 3	6 / 3	8 / 3	8 / 3
Overvoltage category / molded plastic group		III / I	III / I	III / I	III / I
Connection capacities					
• For one conductor					
- Rigid	mm²	1.5 ... 16	1.5 ... 16	0.75 ... 35	0.75 ... 35
- Flexible with end sleeve	mm²	1.5 ... 16	1.5 ... 16	0.75 ... 35	0.75 ... 35
• For two conductors of same cross-section					
- Rigid / flexible	mm²	1.5 ... 6 / 1.5 ... 6	1.5 ... 6 / 1.5 ... 4	0.75 ... 15 / 0.75 ... 10	0.75 ... 16 / 0.75 ... 10
- Flexible with end sleeve	mm²	1.5 ... 4	1.5 ... 6	0.75 ... 10	0.75 ... 10
Stripped length	mm	11	11	16	16
Plug gauge (IEC 60947-1)		B7	B7	B9	B9
Clamping point: Screw thread / tightening torque	Nm	M4 / 1.5 ... 1.8	M4 / 1.5 ... 1.8	M6 / 3.2 ... 3.7	M5 / 3.2 ... 3.7
Fixing: Screw thread / tightening torque	Nm	--	M4 / 1.5 ... 1.8	--	M5 / 2.5 ... 3
Molded plastic 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 / rated current / conductor sizes	V/A/AWG	600 / 85 / 22-4	-- / -- / 22-4	600 / 115 / 18-2	-- / -- / 18-2
• CSA					
- Rated voltage / rated current / conductor sizes	V/A/AWG	600 / 85 / 22-4	-- / -- / 22-4	600 / 130 / 18-2	-- / -- / --

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 16 mm²							
 8WH1001-0AK00	**Through-type screw terminals, terminal size 16 mm²** Width 12.2 mm						
	Versions						
	• Gray		**8WH1001-0AK00**		1	50 units	1BT
	• Blue		**8WH1001-0AK01**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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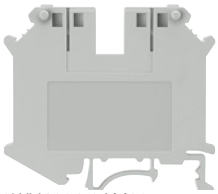
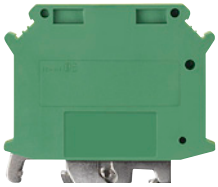
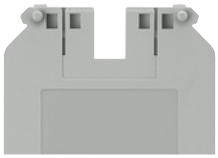
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 16 mm² (continued)							
8WH1001-0CK07	**PE through-type screw terminals, terminal size 16 mm²** • Width 12.2 mm • Enclosed at both ends • Green/yellow		8WH1001-0CK07		1	50 units	1BT
Terminal size 35 mm²							
 8WH1001-0AM00	**Through-type screw terminals, terminal size 35 mm²** • Width 16 mm • Enclosed at both ends						
	Versions						
	• Gray		8WH1001-0AM00		1	50 units	1BT
	• Blue		8WH1001-0AM01		1	50 units	1BT
 8WH1001-0CM07	**PE through-type screw terminals, terminal size 35 mm²** • Width 16 mm • Enclosed at both ends • Green/yellow		8WH1001-0CM07		1	50 units	1BT
Accessories							
 8WH9005-3PA00	**Covers, for screw terminals** • 10/16 mm² • Width 2 mm • Gray		8WH9005-3PA00		100	50 units	1BT
8WH9030-6AL00	**Bridge, 10-pole** For through-type terminals, 16 mm², gray and blue		8WH9030-6AL00		1	10 units	1BT
8WH9030-6BC00	**Bridge, 2-pole** For through-type terminals, 35 mm², gray and blue		8WH9030-6BC00		1	10 units	1BT
8WH9030-6BD00	**Bridge, 3-pole** For through-type terminals, 35 mm², gray and blue		8WH9030-6BD00		1	10 units	1BT
8WH9070-6HA00	**Compartment partitions** For through-type terminals, 16 mm², gray and blue		8WH9070-6HA00		100	50 units	1BT
8WH9070-6GA00	**Insulation plates** For through-type terminals, 16 and 35 mm², gray and blue		8WH9070-6GA00		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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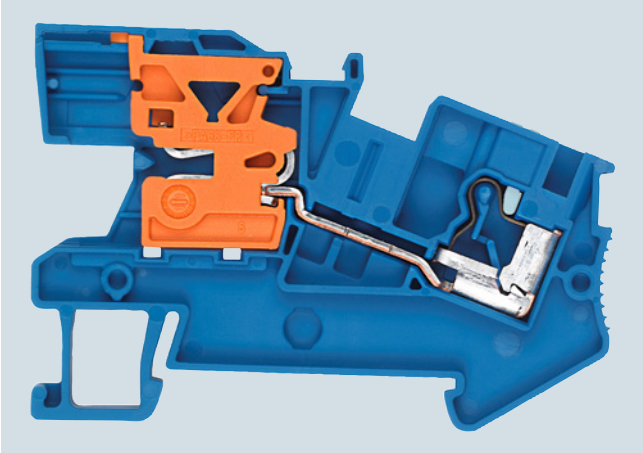
Overview



The N-conductor disconnect slides are in the same position on all 8WH6-001 terminals using iPo plug-in technology.

A 10 × 3 mm busbar is used.

Notice: Only use Cu busbars.

Installation instructions: To ensure that the N-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).

A label can be snapped on to the middle of the terminal at the front. Labels can also be mounted flat on the clamping points of the terminals (not with N-busbar connection).

Technical specifications

		8WH6001-0BF01	8WH6001-0BG01	8WH6001-0BH01
Cross-section	mm^2	2.5	4	6
Dimensions				
• Width / length / width of cover	mm	5.2 / 59 / 2.2	6.2 / 66 / 2.2	8.2 / 66 / 2.2
• Height (NS 35/7.5 / NS 35/15)	mm	46.3/ 53.8	46.3/ 53.8	50 / 57.5
Rated current In / cross-section	A/mm^2	24 / 2.5	32 / 4	41 / 6
Rated voltage U_n	V	250	250	400
Connection capacities				
• Rigid	mm^2	0.14 ... 4	0.2 ... 6	0.5 ... 10
• Flexible with end sleeve	mm^2	0.25 ... 2.5	0.25 ... 4	0.5 ... 6
Stripped length	mm	10	10	12
Molded plastic type		PA	PA	PA
• Flammability Class acc. to UL 94		V0	V0	V0

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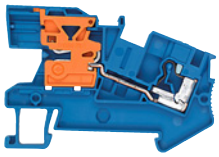
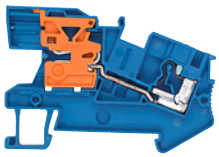
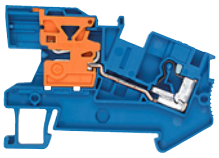
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH6001-0BF01	**N-conductor isolating terminals, terminal size 2.5 mm², acc. to IEC 60947-7-1** • Two clamping points • Terminal width 5.2 mm • Terminal length 59 mm • Terminal height (NS 35/7.5) 46.3 mm • Rated current / cross-section In = 24 A / 2.5 mm² • Rated voltage U_n = 250 V • Rigid 0.14 ... 4 mm² • Flexible with end sleeve 0.14 ... 2.5 mm² • AWG 26 ... 12		8WH6001-0BF01		1	50 units	1BT
Terminal size 4 mm²							
 8WH6001-0BG01	**N-conductor isolating terminals, terminal size 4 mm², acc. to IEC 60947-7-1** • Two clamping points • Terminal width 6.2 mm • Terminal length 66 mm • Terminal height (NS 35/7.5) 46.3 mm • Rated current / cross-section In = 32 A / 4 mm² • Rated voltage U_n = 250 V • Rigid 0.2 ... 6 mm² • Flexible with end sleeve 0.25 ... 4 mm² • AWG 24 ... 10		8WH6001-0BG01		1	50 units	1BT
Terminal size 6 mm²							
 8WH6001-0BH01	**N-conductor isolating terminals, terminal size 6 mm², acc. to IEC 60947-7-1** • Two clamping points • Terminal width 8.2 mm • Terminal length 66.3 mm • Terminal height (NS 35/7.5) 50 mm • Max. load current I_{max} = 41 A • Rated current / cross-section In = 41 A / 6 mm² • Rated voltage U_n = 400 V • Rigid 0.5 ... 10 mm² • Flexible with end sleeve 0.5 ... 6 mm² • AWG 20 ... 8		8WH6001-0BH01		1	50 units	1BT
Accessories							
8WH9143-0AF01	**Support brackets** • Made of blue molded plastic • For holding the N-busbar						
	Versions						
	• For terminal size 2.5 ... 4 mm²		8WH9143-0AF01		1	50 units	1BT
	• For terminal size 6 mm²		8WH9143-0AH01		1	50 units	1BT
8WH9000-1SA00	**Covers** Gray						
	Versions						
	• For terminal size 2.5 mm²		8WH9000-1SA00		100	50 units	1BT
	• For terminal size 4 mm²		8WH9003-1SA00		100	50 units	1BT
	• For terminal size 6 mm²		8WH9004-1SA00		100	1 unit	1BT
8WA2867/8WA2868/ 8WA2870	**Feeder terminals, for N-busbars** • 6 × 6 mm and 10 × 3 mm • Bare						
	Versions						
	• Rated uninterrupted current 32 A, for connection of up to 4 mm²		8WA2867		1	50 units	1BT
	• Rated uninterrupted current 76 A, for connection of up to 25 mm²		8WA2868		1	50 units	1BT
	• Rated uninterrupted current 125 A, for connection of up to 35 mm²		8WA2870		1	50 units	1BT
8WA2842	**N-busbars, 10 x 3 mm** • Tin-plated • 1000 mm long		8WA2842		1	1 unit	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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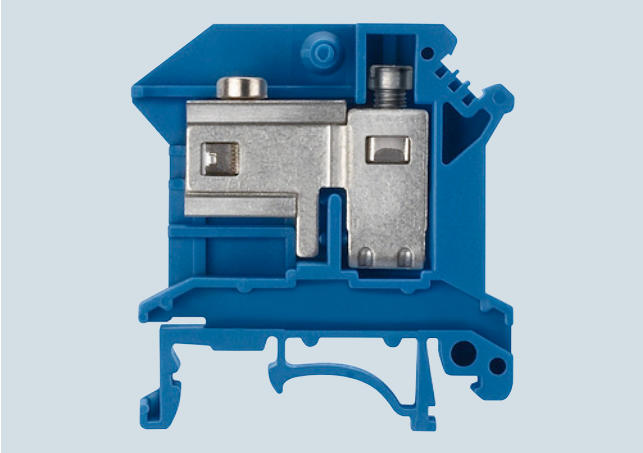
8WH N-conductor isolating screw terminals

Overview



We offer a comprehensive range of installation terminals with iPo plug-in technology 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 N-busbars are most commonly used in building management systems. In order to enable the butt-mounting of different terminals, contact to the N-busbar is always on the same mounting level. This means that 8WH1-001 screw terminals and 8WH6-001 plug-in terminals can be combined as required and mounted on a single support rail.

The compact design of our N-conductor isolating terminals makes for a neat and clearly arranged terminal strip. The N-busbar can be connected over the terminal or over the disconnect slide of the N-conductor isolating terminal. The N-conductor isolating terminal also makes it easy to perform insulation measurements.

Labels can be affixed on the clamping points (screw) by simply snapping them on at the front.

Notice: Only use Cu busbars.

Technical specifications

		8WH1001-0BJ01	8WH1001-0BK01	8WH1001-0BM01
Cross-section	mm²	10	16	35
Dimensions				
• Width / length / width of cover	mm	10.2 / 43.5 / 1.8	12.2 / 43.5 / 1.5	16 / 55 / --
• Height (TS 35/7.5 / TS 35/15)	mm	47 / 54.5 / 52	54 / 61.5 / 59	51 / 58.5/ 56
Max. load current I_{max} / cross-section	A/mm²	63 / 16	90 / 25	110 / 35
Rated impulse withstand voltage / pollution degree	kV	6 / 3	6 / 3	6 / 3
Overvoltage category / molded plastic group		III / I	III / I	III / I
Connection capacities				
• For one conductor				
- Rigid	mm²	0.5 ... 10	1.5 ... 16	0.75 ... 35
- Flexible with end sleeve	mm²	0.5 ... 6	1.5 ... 16	0.75 ... 35
• For two conductors of same cross-section				
- Rigid / flexible	mm²	0.5 ... 4 / 0.5 ... 4	1.5 ... 6 / 1.5 ... 4	0.75 ... 16 / 0.75 ... 10
- Flexible with end sleeve	mm²	0.5 ... 2.5	1.5 ... 8	0.75 ... 10
Stripped length	mm	12	11	16
Plug gauge (IEC 60947-1)		B5	B6	B9
Clamping point: Screw thread / tightening torque	Nm	M4 / 1.5 ... 1.8	M4 / 1.5 ... 1.8	M6 / 3.2 ... 3.7
Fixing: Screw thread / tightening torque	Nm	M3 / 0.6 ... 0.8	M3 / 0.6 ... 0.8	M5 / 2.5 ... 3
Molded plastic type		PA	PA	PA
Flammability Class acc. to UL 94		V2	V2	V2

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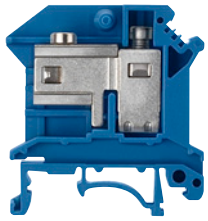
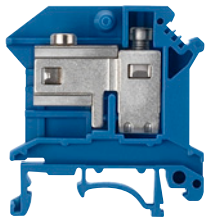
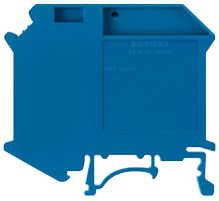
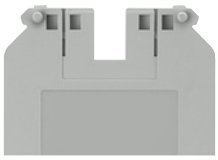
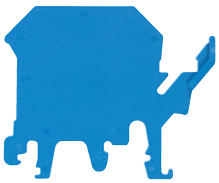
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 10 mm²							
 8WH1001-0BJ01	**N-conductor isolating screw terminals, terminal size 10 mm²** • Width 10 mm • Blue • For 10 x 3 mm N-busbar		8WH1001-0BJ01		1	50 units	1BT
Terminal size 16 mm²							
 8WH1001-0BK01	**N-conductor isolating screw terminals, terminal size 16 mm²** • Width 12 mm • Blue • For 10 x 3 mm N-busbar		8WH1001-0BK01		1	50 units	1BT
Terminal size 35 mm²							
 8WH1001-0BM01	**N-conductor isolating screw terminals, terminal size 35 mm²** • Width 16 mm • Enclosed at both ends • Blue		8WH1001-0BM01		1	50 units	1BT
Accessories							
 8WH9005-3PA00	**Covers, for screw terminals** • 10/16 mm² • Width 2 mm • Gray		8WH9005-3PA00		100	50 units	1BT
 8WH9141-0BA01	**Support brackets for N-conductor isolating screw terminals, terminal size 10 ... 35 mm²** • For holding the N-busbar • To be placed every 20 cm • 2 mm wide		8WH9141-0BA01		1	50 units	1BT
8WH9126-0BA01	**Terminals** Blue Versions • To 16 mm², width: 10.3 mm		8WH9126-0BA01		1	50 units	1BT
8WA2842	**N-busbars, 10 x 3 mm** • Made of copper, tin-plated • 1000 mm long		8WA2842		1	1 unit	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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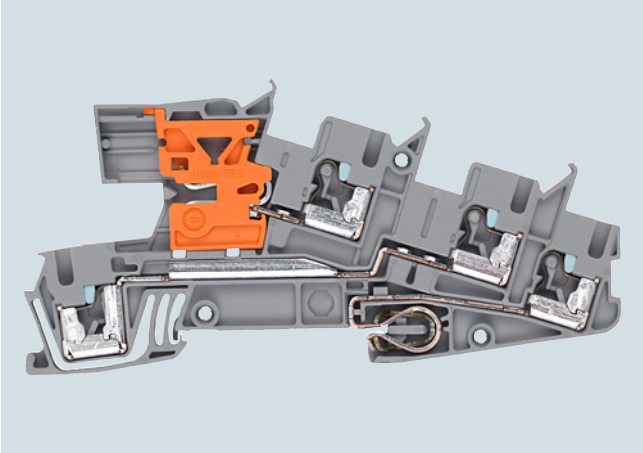
Overview



The three-tier plug-in terminals offer optimum operating characteristics for modern building installations. The plug-in connection allows tool-free wiring of the solid conductors.

These terminals can be used interconnected with the N-busbar 10 × 3 mm.

Notice: 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 quickly and easily wired, for example using a 5.2-mm-wide installation terminal with terminal size 2.5 mm² and PE/L/NT connections.

The double bridge shafts support a multitude of individual wiring tasks. This also means it is practical and convenient to make subsequent modifications to the installation.

Labels can be mounted flat on the clamping points of the terminals.

Technical specifications

Installation terminals, standard version **Installation terminals with isolating function**		**8WH6001-4QF00** **8WH6001-4DF00** **8WH6001-4CF00**	**8WH6001-0HF00** **8WH6001-4EF00** **8WH6001-4GF00** **8WH6001-4NF00** **8WH6001-4PF00** **8WH6001-4MF00**	**8WH6001-4FF00**
Cross-section	mm²	2.5		
Dimensions				
• Width / length / width of cover	mm	5.5 / 101 / 2.2		
• Height (TS 35/7.5 / TS 35/15)	mm	50.5 / 58		
Rated current In cross-section	A/mm²	24 / 4		
Max. load current I_{max} / cross-section	A/mm²	30[1] / 4		
Rated voltage U_n	V	400 (L-L) 250 (L-N or L-PE)		
Connection capacities				
• Rigid	mm²	0.14 ... 4		
• Flexible with end sleeve	mm²	0.14 ... 2.5		
Stripped length without insulation stop sleeve (no insulation stop sleeves should be used when using end sleeves)	mm	10		
Stripped length with insulation stop sleeve (no insulation stop sleeves should be used when using end sleeves)	mm	10		
Plug gauge (IEC 60947-1)		A3		
Molded plastic type		PA		
Flammability Class acc. to UL 94		V0		

[1] 3-pole terminal block

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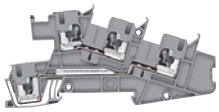
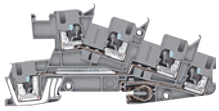
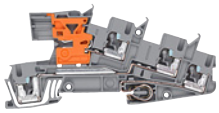
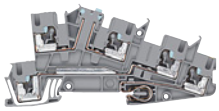
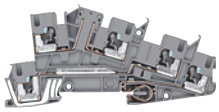
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
8WH6001-4QF00  8WH6001-4DF00  8WH6001-4HF00  8WH6001-4FF00	**Installation terminals, terminal size 2.5 mm², standard version for N-busbar** • Gray • Terminal width 5.2 mm • Rigid 0.14 ... 4 mm² • Flexible with end sleeve 0.14 ... 2.5 mm² • AWG 26 ... 12 • Rated current / cross-section I_n = 24 A / 4 mm² • Rated voltage U_n = 400 V (L-L) U_n = 250 V (L-N or L-PE)						
	Versions						
	• L		**8WH6001-4QF00**		1	50 units	1BT
	• L/L		**8WH6001-4DF00**		1	50 units	1BT
	• L/N		**8WH6001-4CF00**		1	50 units	1BT
	• PE/L/L		**8WH6001-4HF00**		1	50 units	1BT
	• PE/L/N		**8WH6001-4EF00**		1	50 units	1BT
	• PE/L/NT		**8WH6001-4FF00**		1	50 units	1BT
 8WH6001-4NF00	**Installation terminals, terminal size 2.5 mm², with isolating blade** • Gray • Terminal width 5.2 mm • Rigid 0.25 ... 4 mm² • Flexible with end sleeve 0.25 ... 2.5 mm² • AWG 22-12 • Rated current / cross-section I_n = 24 A / 4 mm² • Rated voltage U_n = 400 V (L-L) U_n = 250 V (L-N or L-PE)						
	Versions						
	• PE/L/L (standard version, suitable for isolating terminal)		**8WH6001-4PF00**		1	50 units	1BT
	• PE/L/N isolating blade		**8WH6001-4GF00**		1	50 units	1BT
	• PE/L/L isolating blade		**8WH6001-4NF00**		1	50 units	1BT
 8WH6001-4PF00	**Installation terminals, terminal size 2.5 mm², for isolating function** • Gray • Terminal width 5.2 mm • Rigid 0.25 ... 4 mm² • Flexible with end sleeve 0.25 ... 2.5 mm² • AWG 22-12 • Rated current / cross-section I_n = 24 A / 4 mm² • Rated voltage U_n = 400 V (L-L) U_n = 250 V (L-PE)						
	Versions						
	• PE/L/L (standard version, suitable for isolating terminal)		**8WH6001-4PF00**		1	50 units	1BT
	• PE/L/L isolation		**8WH6001-4MF00**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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8WH installation terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
8WH9142-0AF01	**Support brackets, for terminal size 2.5 mm²** • For holding the N-busbar • To be placed every 20 cm • 2 mm wide		8WH9142-0AF01		1	50 units	1BT
8WH9000-3SA00	**Covers, for terminal size 2.5 mm²** Gray		8WH9000-3SA00		1	50 units	1BT
8WH9000-6SA00	**Covers, for terminal size 2.5 mm² and isolating terminal in contour** Gray		8WH9000-6SA00		1	50 units	1BT
8WA2867/8WA2868/ 8WA2870	**Feeder terminals, for N-busbars** • 6 × 6 mm and 10 × 3 mm • Bare						
	Versions						
	• Rated uninterrupted current 32 A, for connection of up to 4 mm²		8WA2867		1	50 units	1BT
	• Rated uninterrupted current 76 A, for connection of up to 25 mm²		8WA2868		1	50 units	1BT
	• Rated uninterrupted current 125 A, for connection of up to 35 mm²		8WA2870		1	50 units	1BT
8WA2842	**N-busbars, 10 x 3 mm** • Made of copper, tin-plated • 1000 mm long		8WA2842		1	1 unit	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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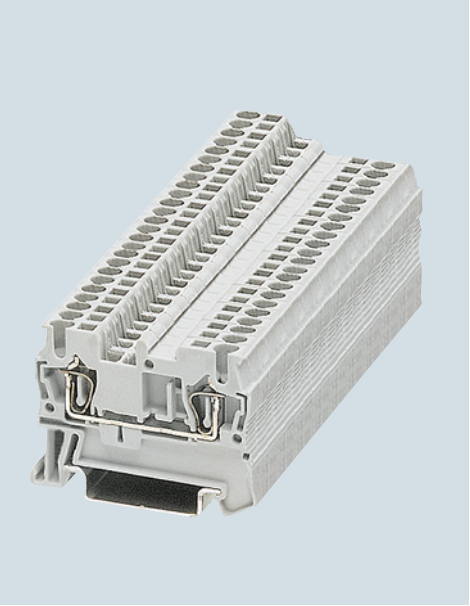

4/2	**Introduction**
4/3	**General data on 8WH**
4/7	**8WH through-type terminals[1)]**
4/18	**8WH hybrid through-type terminals [1)]**
4/21	**8WH fuse terminals**
4/23	**8WH isolating blade terminals**
4/25	**8WH isolating terminals**
4/27	**8WH two-tier terminals[1)]**
4/33	**8WH three-tier terminals**
4/35	**8WH four-tier motor terminals**
4/37	**8WH diode terminals**
4/39	**8WH two-tier diode terminals**

[1)] Also available as a PE version

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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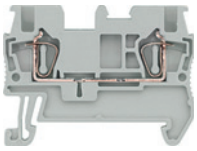
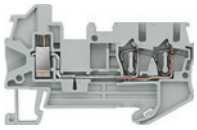
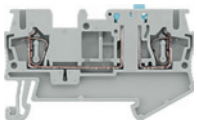
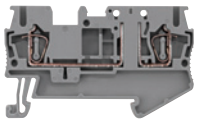
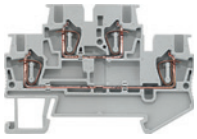
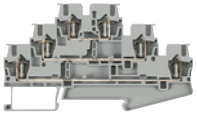
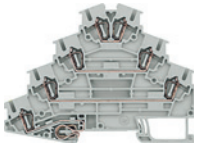
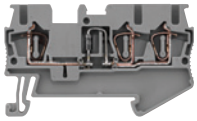
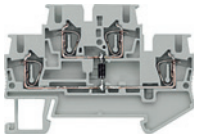
Overview

	Devices	Page	Application
8WH terminals			
	Through-type terminals	4/7	Connection of incoming and outgoing conductors up to 35 mm^2
	Hybrid through-type terminals	4/18	Terminals with a range of connection methods
	Fuse terminals	4/21	Terminals which can be used to protect control circuits, for example
	Isolating blade terminals	4/23	Isolation of the circuit, e.g. for test purposes
	Isolating terminals	4/25	Isolation of the circuit, e.g. for test purposes
	Two-tier terminals	4/27	Compact form of the terminal blocks in which two connection wires can be installed
	Three-tier terminals	4/33	Compact terminal blocks up to 2.5 mm^2, in which three connection wires can be installed
	Four-tier motor terminals	4/35	Compact terminal blocks up to 4 mm^2, in which three connection wires plus PE can be installed
	Diode terminals	4/37	Terminal blocks with integrated diodes
	Two-tier diode terminals	4/39	Terminal blocks with integrated diodes

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Overview

		Terminal type →	Standard spring-loaded connection					Article No. (digits 8 ... 12)
		Design →	Standard			Two-tier		
		No. of clamping points →	2	3	4	4	6	
		Article No. (digits 1 ... 7) →	8WH2000	8WH2003	8WH2004	8WH2020	8WH2023	
Conductor cross-section	Terminal type[1]	Color						
1.5 mm²	Through-type	Gray	✔	✔	✔	✔	--	0AE00
		Blue	✔	✔	✔	✔	--	0AE01
	PE	Green/yellow	✔	✔	✔	✔	--	0CE07
2.5 mm²	Through-type	Gray	✔	✔	✔	✔	✔	0AF00
		Blue	✔	✔	✔	✔	✔	0AF01
	Isolating	Gray	✔	✔	✔	--	--	6AF00
	Isolating blade	Gray	✔	✔	✔	--	--	0CF00
	PE	Green/yellow	✔	✔	✔	✔	✔	0CF07
4 mm²	Through-type	Gray	✔	✔	✔	✔	--	0AG00
		Blue	✔	✔	✔	✔	--	0AG01
	Isolating	Gray	✔	--	--	--	--	6AG00
	Isolating blade	Gray	✔	--	--	--	--	6CG00
	PE	Green/yellow	✔	✔	✔	✔	--	0CG07
6 mm²	Through-type	Gray	✔	✔	--	--	--	0AH00
		Blue	✔	✔	--	--	--	0AH01
	PE	Green/yellow	✔	✔	--	--	--	0CH07
10 mm²	Through-type	Gray	✔	--	--	--	--	0AJ00
		Blue	✔	--	--	--	--	0AJ01
	PE	Green/yellow	✔	--	--	--	--	0CJ07
16 mm²	Through-type	Gray	✔	--	--	--	--	0AK00
		Blue	✔	--	--	--	--	0AK01
	PE	Green/yellow	✔	--	--	--	--	0CK07
35 mm²	Through-type	Gray	✔	--	--	--	--	0AM00
		Blue	✔	--	--	--	--	0AM01
	PE	Green/yellow	✔	--	--	--	--	0CM07

[1] Only the main terminal types are listed here. You will find further versions on the following pages.

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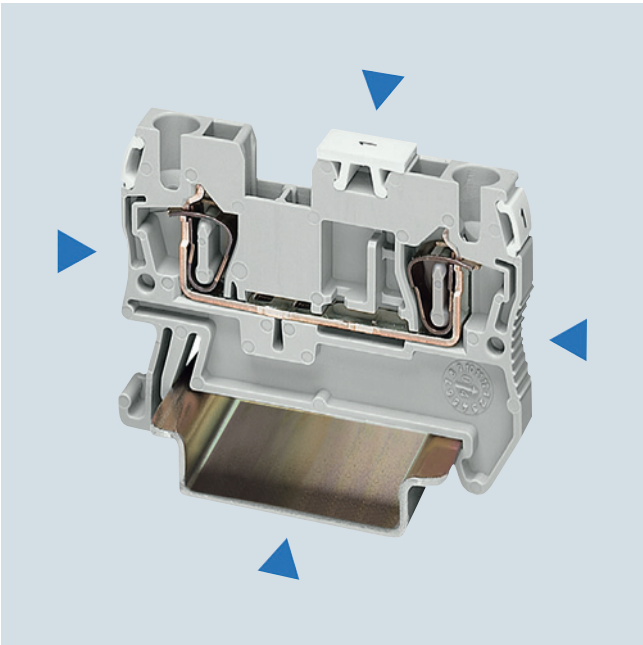
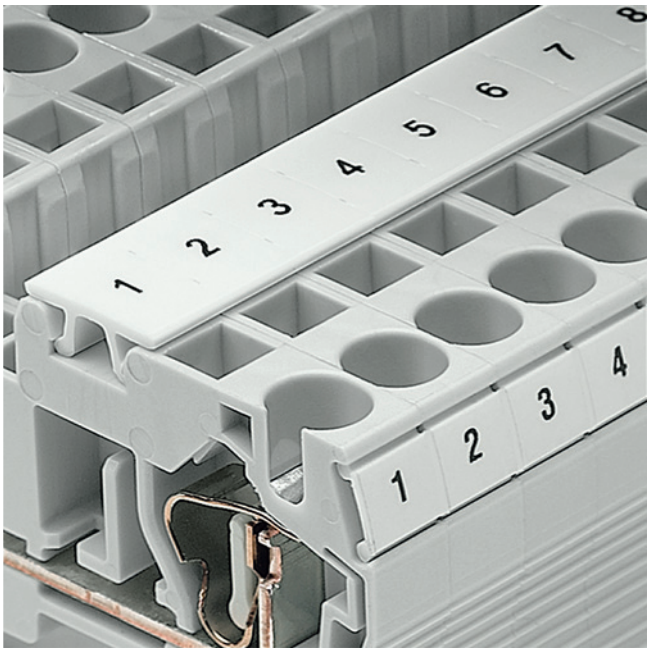
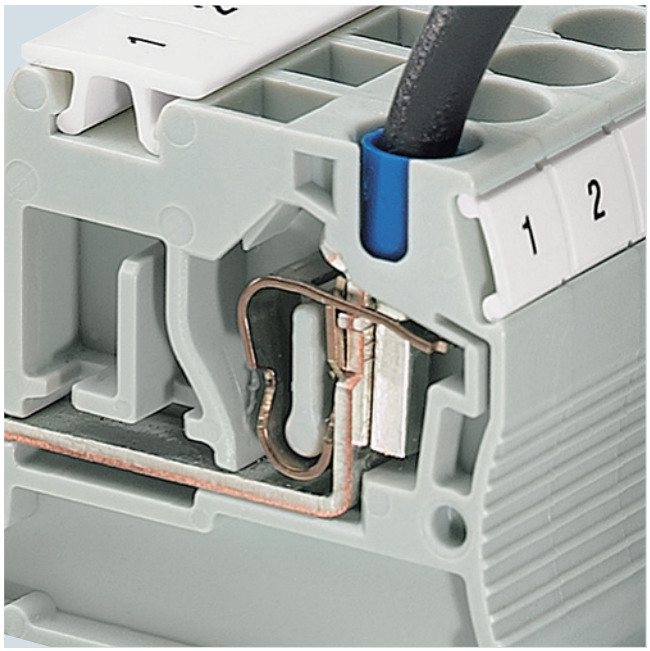
General data on 8WH



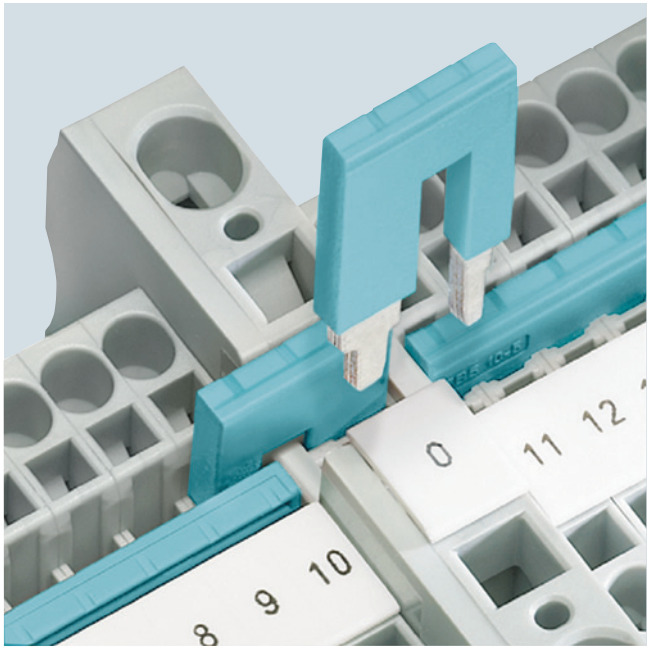
The space-saving design and conductor routing from above make spring-loaded terminals ideal for controlgear installations with minimum available space. The terminals are open at one end and can be closed using the appropriate covers.



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 nominal cross-section and a fitted end sleeve.



Reducing combs enable easy connection of terminals with various nominal cross-sections. For example, they can be used for the fast creation of infeed blocks, e.g. by connecting a 10 mm^2 spring-loaded terminal with a 2.5 or 4 mm^2 spring-loaded terminal.

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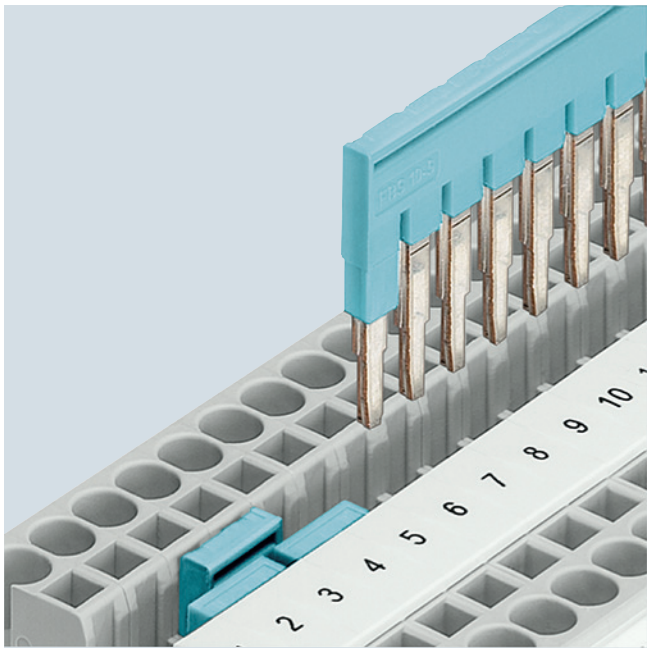
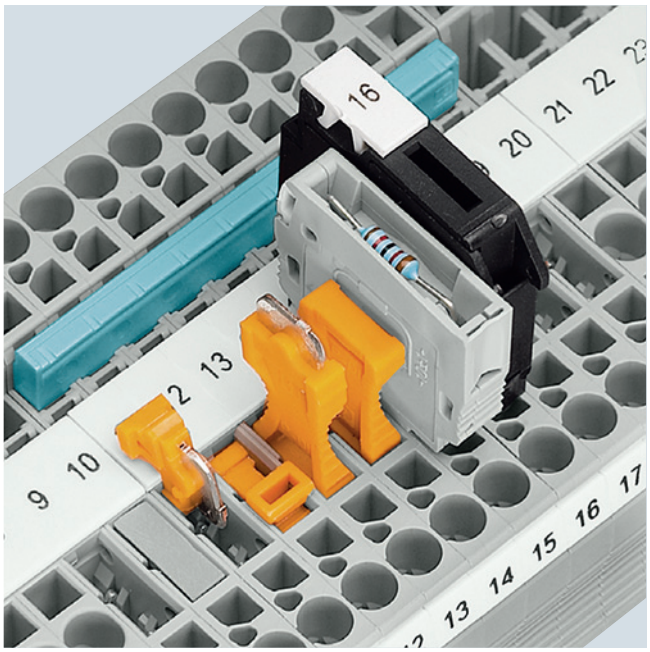
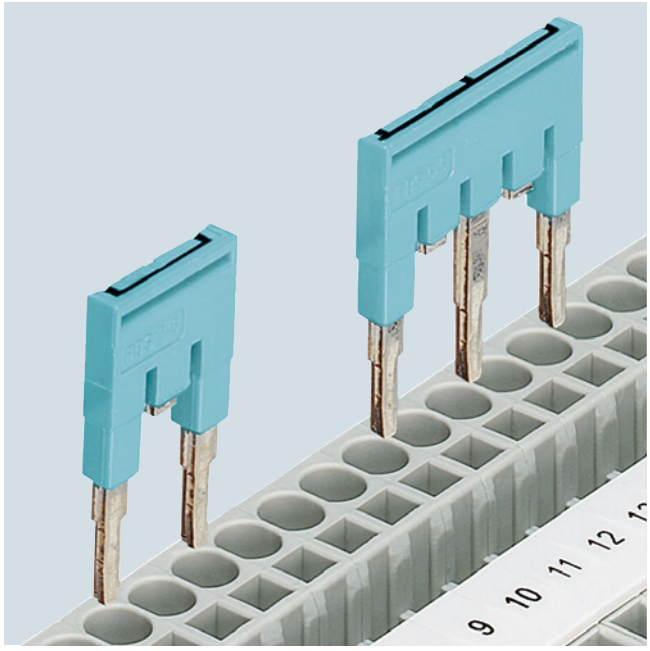


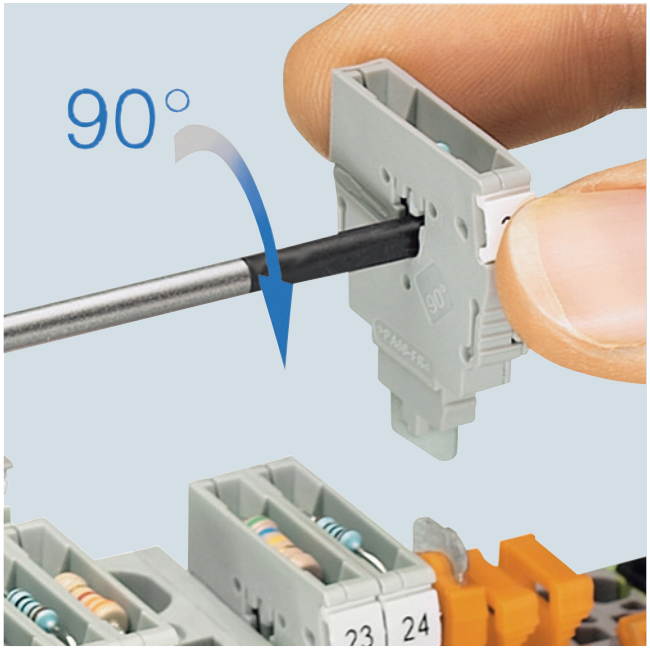
The 2- to 50-pole connecting combs also considerably reduce the time needed for assembly and wiring as they enable up to 50 terminals to be connected in a single step.



The universal plug-in zones of the isolating terminal can accommodate the 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 additionally 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.

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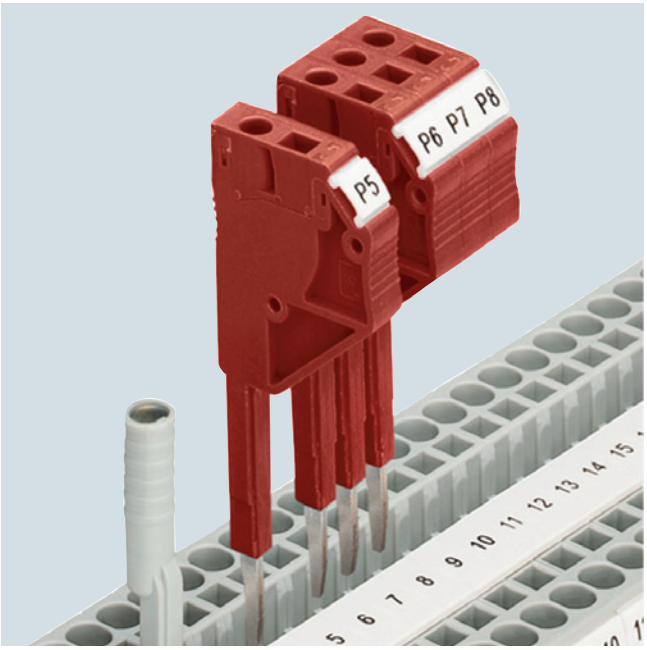
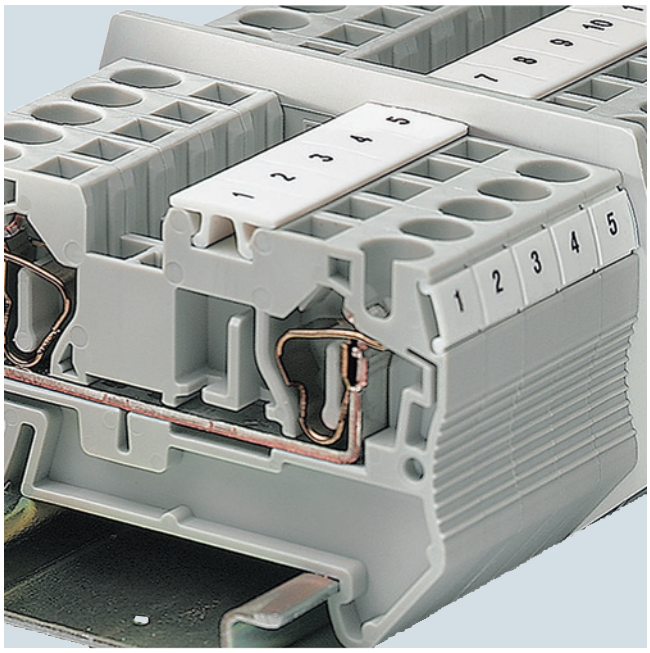
General data on 8WH



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 ensures 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.

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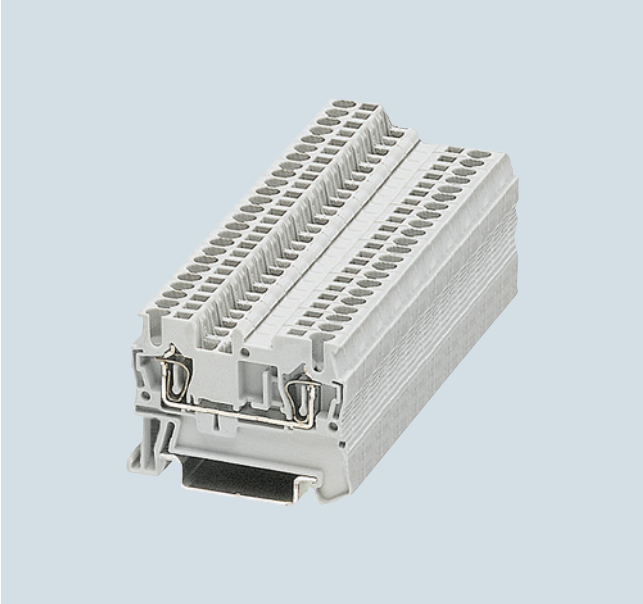
Overview



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 shaft 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 jumpers.

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 with four clamping points are therefore suitable for use as compact potential distributors.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

PE/ground conductor function

The PE through-type terminals are available with the same contour as the through-type terminals. Simply snap the terminals onto the support rail to achieve full mechanical and electrical contact with the support rail.

The PE through-type terminals meet all the requirements of IEC 60947-7-2:

- Low contact resistance
- Stainless clamping points
- Green-yellow enclosure
- Additional inscription options

Technical specifications

	8WH2000-0AE0.	8WH2000-0CE07	8WH2003-0AE00 8WH2003-0AE01	8WH2003-0CE07	8WH2004-0AE00 8WH2004-0AE01
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 4.2 / 48.5 / 2.2 36.8 / 44		 4.2 / 60.5 / 2.2 36.5 / 44		 4.2 / 72 / 2.2
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm^2 • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 17.5 / 1.5 6 / 3 III / I	 --	 17.5 / 1.5	 --	 17.5 / 1.5
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm^2 • Flexible with end sleeve, without plastic sleeve in mm^2 • Flexible with two-wire connection end sleeve, with plastic sleeve in mm^2	 0.25 ... 1.5 0.25 ... 1.5 0.5				
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A1				
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 300 / 15 / 26 ... 14 300 / 15 / 26 ... 14	 -- / -- / 26 ... 14 -- / -- / 26 ... 14	 300 / 15 / 26 ... 14 300 / 15 / 26 ... 14	 -- / -- / 26 ... 14 --	 300 / 15 / 26 ... 14 300 / 15 / 26 ... 14
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"	--

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8WH through-type terminals

	8WH2004-0CE07	8WH2000-0AF0.	8WH2000-0CF07	8WH2003-0AF00 8WH2003-0AF01	8WH2003-0CF07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	4.2 / 72 / 2.2 36.5 / 44	5.2 / 48.5 / 2.2 36.8 / 44		5.2 / 60.5 / 2.2 36.5 / 44	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	-- 6 / 3 III / I	31 / 4 8 / 3	--	28 / 4	--
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25 ... 1.5 0.25 ... 1.5 0.5	0.25 ... 2.5 0.25 ... 2.5			
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A1	A3			
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	-- / -- / 26 ... 14 -- / -- / 26 ... 14	300 / 20 / 26 ... 12 --	-- / -- / 26 ... 12	600 / 20 / 26 ... 12	-- / -- / 26 ... 12
Support rails/protective conductor busbars	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

	8WH2004-0AF00 8WH2004-0AF01	8WH2004-0CF07	8WH2000-0AG0.	8WH2003-0AG00 8WH2003-0AG01	8WH2004-0AG00 8WH2004-0AG01
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	5.2 / 72 / 2.2 36.5 / 44		6.2 / 56 / 2.2 36.8 / 44	6.2 / 71.5 / 2.2 36.5 / 44	6.2 / 87 / 2.2
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	28 / 4 8 / 3 III / I	--	40 / 6		
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25 ... 2.5 0.25 ... 2.5 0.5		0.25 ... 4 0.25 ... 4 0.5 ... 1		
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A3		A4		
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	600 / 20 / 26 ... 12 --	-- / -- / 26 ... 12	600 / 30 / 20 ... 10		
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	--	--

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	8WH2000-0CG07	8WH2003-0CG07	8WH2004-0CG07	8WH2000-0AH00 8WH2000-0AH01	8WH2003-0AH00 8WH2003-0AH01
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	6.2 / 56 / 2.2 36.8 / 44	6.2 / 71.5 / 2.2 36.5 / 44	6.2 / 87 / 2.2	8.2 / 69.5 / 2.2 43.5 / 51	8.2 / 90.5 / 2.2
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	-- 8 / 3 III / I			52 / 10	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25 ... 4 0.25 ... 4 0.5 ... 1			0.25 ... 6 0.25 ... 6 0.5 ... 1.5	
Stripped length in mm	10			12	
Plug gauge (IEC 60947-1)	A4			A5	
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	-- / -- / 20 ... 10 --			600 / 50 / 20 ... 8	
Support rails/protective conductor busbars	See page 1/3, section "Support rails"	See page 1/3, section "Support rails"	See page 1/3, section "Support rails"	--	--

	8WH2000-0CH07	8WH2003-0CH07	8WH2000-0AJ00 8WH2000-0AJ01	8WH2000-0CJ07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	8.2 / 69.5 / 2.2 43.5 / 51	8.2 / 90.5 / 2.2	10 / 71.5 / 2.2 50.5 / 58	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	-- 8 / 3 III / I		65 / 16	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25 ... 6 0.25 ... 6 0.5 ... 1.5		0.25 ... 10 0.25 ... 10 1.5 ... 2.5	
Stripped length in mm	12		18	
Plug gauge (IEC 60947-1)	A5		A6	
Molded plastic type • Flammability Class acc. to UL 94	PA V0			
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	-- / -- / 20 ... 8 --		600 / 65 / 16 ... 6	-- / -- / 16 ... 6
Support rails/protective conductor busbars	See page 1/3, section "Support rails"	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

	8WH2000-0AK00 8WH2000-0AK01	8WH2000-0CK07	8WH2000-0AM00 8WH2000-0AM01	8WH2000-0CM07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	12 / 80 / 2.2 51 / 58.5		16 / 100 / -- 59 / 66.5	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	90 / 25 8 / 3 III / I		125 / 35	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25... 16 0.25 ... 16 1.5 ... 4		2.5 ... 35 2.5 ... 35 2.5 ... 10	
Stripped length in mm	18		25	
Plug gauge (IEC 60947-1)	A7		A8	
Molded plastic type • Flammability Class acc. to UL 94	PA V0			
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	600 / 85 / 16 ... 4 --	-- / -- / 16 ... 4	600 / 115 / 14 ... 2 600 / 115 / 14 ... 2	-- / -- / 14 ... 2 -- / -- / 14 ... 2
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

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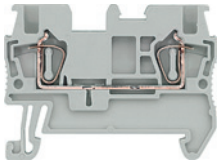
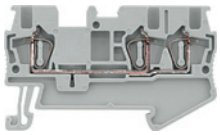
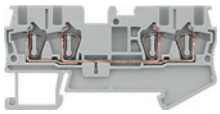
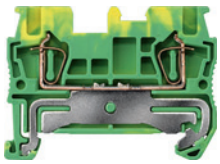
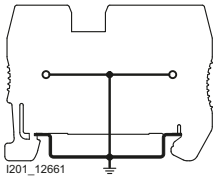
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 1.5 mm²							
 8WH2000-0AE00	**Through-type terminals, terminal size 1.5 mm²** • Terminal width 4.2 mm, c UL us • IEC 60947-7-1 - Rigid 0.08 ... 1.5 mm² - Flexible 0.08 ... 1.5 mm² - AWG 28-16 - I = 17.5 A - The total current through all connected conductors must not exceed the max. load current - U = 500 V						
 8WH2003-0AE00	Versions						
	• Two clamping points						
	- Gray		8WH2000-0AE00		1	50 units	1BT
	- Blue		8WH2000-0AE01		1	50 units	1BT
	- Orange		8WH2000-0AE04		1	50 units	1BT
	- Red		8WH2000-0AE02		1	50 units	1BT
	- Black		8WH2000-0AE08		1	50 units	1BT
	- Green		8WH2000-0AE03		1	50 units	1BT
	- White		8WH2000-0AE05		1	50 units	1BT
	- Yellow		8WH2000-0AE06		1	50 units	1BT
 8WH2004-0AE00	• Three clamping points						
	- Gray,		8WH2003-0AE00		1	50 units	1BT
	- Blue		8WH2003-0AE01		1	50 units	1BT
	- Orange		8WH2003-0AF04		1	50 units	1BT
	• Four clamping points						
	- Gray,		8WH2004-0AE00		1	50 units	1BT
	- Blue		8WH2004-0AE01		1	50 units	1BT
	- Orange		8WH2004-0AF04		1	50 units	1BT
 8WH2000-0CE07	**PE through-type terminals, terminal size 1.5 mm²** • Terminal width 4.2 mm, c UL us • IEC 60947-7-1 - Rigid 0.08 ... 1.5 mm² - Flexible 0.08 ... 1.5 mm² - AWG 28-16 • Green/yellow						
	Versions						
	• Two clamping points,		8WH2000-0CE07		1	50 units	1BT
	• Three clamping points		8WH2003-0CE07		1	50 units	1BT
	• Four clamping points,		8WH2004-0CE07		1	50 units	1BT



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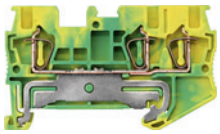
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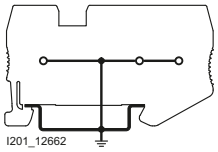

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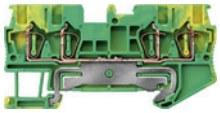
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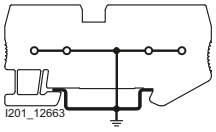

8WH2004-0CE07

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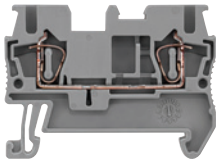
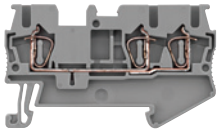
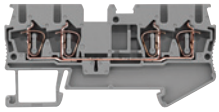
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2000-0AF00	**Through-type terminals, terminal size 2.5 mm², two clamping points** • Terminal width 5.2 mm, c UL us • IEC 60947-7-1 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - I = 31 A - U = 800 V						
	Versions						
	• Gray		8WH2000-0AF00		1	50 units	1BT
	• Blue		8WH2000-0AF01		1	50 units	1BT
	• Orange		8WH2000-0AF04		1	50 units	1BT
	• Red		8WH2000-0AF02		1	50 units	1BT
	• Black		8WH2000-0AF08		1	50 units	1BT
	• Green		8WH2000-0AF03		1	50 units	1BT
	• White		8WH2000-0AF05		1	50 units	1BT
	• Yellow		8WH2000-0AF06		1	50 units	1BT
 8WH2003-0AF00	**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						
	Versions						
	• Gray		8WH2003-0AF00		1	50 units	1BT
	• Blue		8WH2003-0AF01		1	50 units	1BT
	• Orange		8WH2003-0AF04		1	50 units	1BT
 8WH2004-0AF00	**Through-type terminals, terminal size 2.5 mm², four 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						
	Versions						
	• Gray		8WH2004-0AF00		1	50 units	1BT
	• Blue		8WH2004-0AF01		1	50 units	1BT
	• Orange		8WH2004-0AF04		1	50 units	1BT

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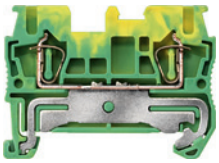
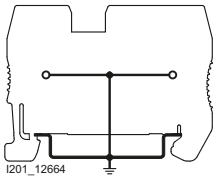
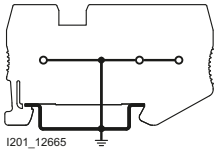
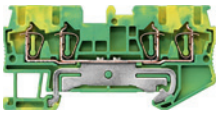
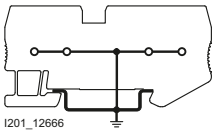
8WH through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH2000-0CF07	**PE through-type 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 • Green/yellow						
	Versions						
 I201_12664 8WH2000-0CF07	• Two clamping points		**8WH2000-0CF07**		1	50 units	1BT
	• Three clamping points		**8WH2003-0CF07**		1	50 units	1BT
	• Four clamping points		**8WH2004-0CF07**		1	50 units	1BT
8WH2003-0CF07							
 I201_12665 8WH2003-0CF07							
 8WH2004-0CF07							
 I201_12666 8WH2004-0CF07							

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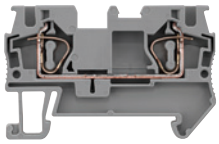
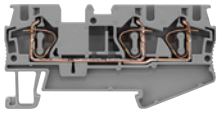
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH2000-0AG00	**Through-type terminals, terminal size 4 mm², two clamping points** • Terminal width 6.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I = 40 A, U = 800 V						
	Versions						
	• Gray		**8WH2000-0AG00**		1	50 units	1BT
	• Blue		**8WH2000-0AG01**		1	50 units	1BT
	• Orange		**8WH2000-0AG04**		1	50 units	1BT
	• Red		**8WH2000-0AG02**		1	50 units	1BT
	• Black		**8WH2000-0AG08**		1	50 units	1BT
	• Green		**8WH2000-0AG03**		1	50 units	1BT
	• White		**8WH2000-0AG05**		1	50 units	1BT
	• Yellow		**8WH2000-0AG06**		1	50 units	1BT
 8WH2003-0AG00	**Through-type terminals, terminal size 4 mm², three 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						
	Versions						
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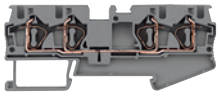
	• Blue		**8WH2003-0AG01**		1	50 units	1BT
 8WH2004-0AG00	**Through-type terminals, terminal size 4 mm², four clamping points** • Terminal width 6.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I = 40 A, the total current through all connected conductors must not exceed the max. load current - U = 800 V						
	Versions						
	• Gray		**8WH2004-0AG00**		1	50 units	1BT
	• Blue		**8WH2004-0AG01**		1	50 units	1BT

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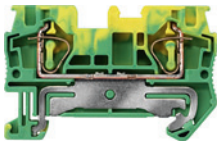
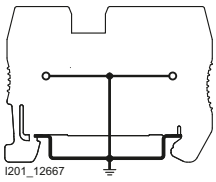
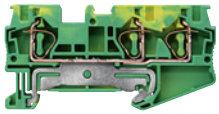
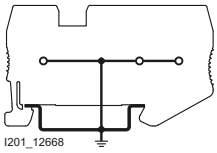
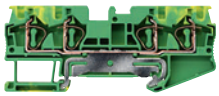
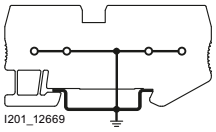
8WH through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH2000-0CG07	**PE through-type 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 • Green/yellow						
	Versions						
 I201_12667 8WH2000-0CE07	• Two clamping points		**8WH2000-0CG07**		1	50 units	1BT
	• Three clamping points		**8WH2003-0CG07**		1	50 units	1BT
	• Four clamping points		**8WH2004-0CG07**		1	50 units	1BT
 8WH2003-0CG07							
 I201_12668 8WH2003-0CG07							
 8WH2004-0CG07							
 I201_12669 8WH2004-0CG07							

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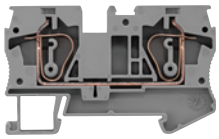
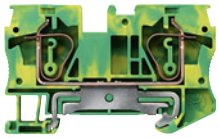
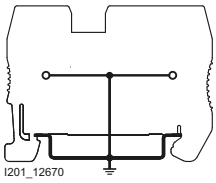
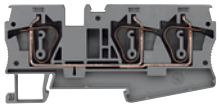
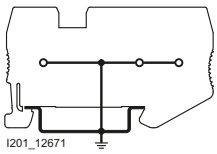
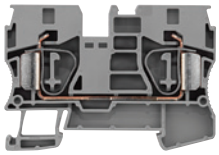
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 6 mm²							
 8WH2000-0AH00	**Through-type terminals, terminal size 6 mm², two clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 6 mm² - AWG 24 ... 8 - *I* = 52 A - *U* = 1000 V						
	Versions						
	• Gray		8WH2000-0AH00		1	50 units	1BT
	• Blue		8WH2000-0AH01		1	50 units	1BT
 8WH2000-0CH07	**PE through-type terminals, terminal size 6 mm², two clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-2 - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 6 mm² - AWG 24 ... 8 • Green/yellow		8WH2000-0CH07		1	50 units	1BT
 I201_12670 8WH2000-0CE07							
 8WH2003-0AH00	**Through-type terminals, terminal size 6 mm², three clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-1 - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 6 mm² - AWG 24 ... 8 - *I* = 52 A - The total current through all connected conductors must not exceed the max. load current - *U* = 1000 V						
	Versions						
	• Gray		8WH2003-0AH00		1	50 units	1BT
	• Blue		8WH2003-0AH01		1	50 units	1BT
8WH2003-0CH07	**PE through-type terminals, terminal size 6 mm², three clamping points** • Terminal width 8.2 mm • c UL us • IEC 60947-7-2 - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 6 mm² - AWG 24 ... 8 • Green/yellow		8WH2003-0CH07		1	50 units	1BT
 I201_12671 8WH2003-0CE07							
Terminal size 10 mm²							
 8WH2000-0AJ00	**Through-type terminals, terminal size 10 mm²** • Terminal width 10.2 mm • c UL us • IEC 60947-7-1 - Rigid 1.5 ... 16 mm² - Flexible 1.5 ... 10 mm² - AWG 24-6 - *I* = 65 A - *U* = 1000 V						
	Versions						
	• Gray		8WH2000-0AJ00		1	50 units	1BT
	• Blue		8WH2000-0AJ01		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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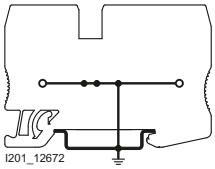
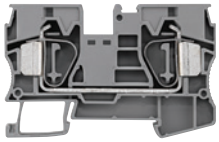
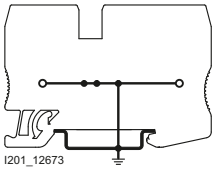
8WH through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH2000-0CJ07	**PE through-type terminals, terminal size 10 mm²** • Terminal width 10.2 mm • c UL us • IEC 60947-7-2 - Rigid 1.5 ... 16 mm² - Flexible 1.5 ... 10 mm² - AWG 24-6 - I = 65 A • Green/yellow		**8WH2000-0CJ07**		1	50 units	1BT
 I201_12672 8WH2000-0CJ07							
Terminal size 16 mm²							
 8WH2000-0AK00	**Through-type terminals, terminal size 16 mm²** • Terminal width 12 mm • c UL us • IEC 60947-7-1 - Rigid 1.5 ... 25 mm² - Flexible 1.5 ... 16 mm² - AWG 24-4 - I = 90 A - U = 1000 V						
	Versions						
	• Gray		**8WH2000-0AK00**		1	50 units	1BT
	• Blue		**8WH2000-0AK01**		1	50 units	1BT
8WH2000-0CK07	**PE through-type terminals, terminal size 16 mm²** • Terminal width 12 mm • c UL us • IEC 60947-7-2 - Rigid 1.5 ... 25 mm² - Flexible 1.5 ... 16 mm² - AWG 24-4 - I = 90 A • Green/yellow		**8WH2000-0CK07**		1	25 units	1BT
 I201_12673 8WH2000-0CK07							

* You can order this quantity or a multiple thereof.

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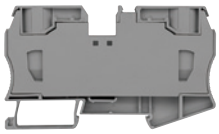
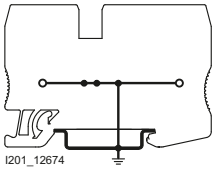
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 35 mm²							
 8WH2000-0AM00	**Through-type terminals, terminal size 35 mm²** • Terminal width 16 mm • c UL us • IEC 60947-7-1 - Rigid 2.5 ... 35 mm² - Flexible 2.5 ... 35 mm² - AWG 14 ... 2 - I = 125 A - U = 1000 V • Enclosed at both ends						
	Versions						
	• Gray,		8WH2000-0AM00		1	10 units	1BT
	• Blue		8WH2000-0AM01		1	10 units	1BT
8WH2000-0CM07	**PE through-type terminals, terminal size 35 mm²** • Terminal width 16 mm • c UL us, • IEC 60947-7-2 - Rigid 2.5 ... 35 mm² - Flexible 2.5 ... 35 mm² - AWG 14 ... 2 - I = 125 A • Enclosed at both ends • Green/yellow		8WH2000-0CM07		1	10 units	1BT
 I201_12674 8WH2000-0CM07							
Accessories							
8WH9070-0AA00	**Compartment partitions** • For visual and electrical separation of terminal groups • 2 mm thick						
	Versions						
	• For terminal size 1.5 up to 4 mm² and two clamping points		8WH9070-0AA00		100	50 units	1BT
	• For terminal size 1.5 up to 4 mm² and three clamping points		8WH9070-0GA00		100	50 units	1BT
	• For terminal size 1.5 up to 4 mm² and four clamping points		8WH9070-0HA00		100	50 units	1BT
	• For terminal size 6 mm²		8WH9070-0DA00		100	50 units	1BT
8WH9000-1GA00	**Covers** Gray						
	Versions						
	• For terminal size 1.5 up to 2.5 mm² and two clamping points		8WH9000-1GA00		100	50 units	1BT
	• For terminal size 1.5 up to 2.5 mm² and three clamping points		8WH9000-2GA00		100	50 units	1BT
	• For terminal size 1.5 up to 2.5 mm² and four clamping points		8WH9000-4GA00		100	50 units	1BT
	• For terminal size 4 mm² and two clamping points		8WH9003-1GA00		100	50 units	1BT
	• For terminal size 4 mm² and three clamping points		8WH9003-2GA00		100	50 units	1BT
	• For terminal size 4 mm² and four clamping points		8WH9003-4GA00		100	50 units	1BT
	• For terminal size 6 mm² and two clamping points		8WH9004-1GA00		100	50 units	1BT
	• For terminal size 6 mm² and three clamping points		8WH9004-2GA00		100	50 units	1BT
	• For terminal size 10 mm²		8WH9005-1GA00		100	50 units	1BT
	• For terminal size 16 mm²		8WH9006-1GA00		100	50 units	1BT
8WH9000-0GA00	**Cover segments** • Gray • For covering multi-wire terminals when mounting two-wire terminals side-by-side						
	Versions						
	• For terminal size 1.5 up to 2.5 mm²		8WH9000-0GA00		100	10 units	1BT
	• For terminal size 4 mm²		8WH9003-0GA00		100	10 units	1BT
8WH9061-5AA06	**Warning covers** Note: For the operating shafts of 8WH2 through-type terminals						
	Versions						
	• For terminal size 1.5 mm²		8WH9061-5AA06		100	50 units	1BT
	• For terminal size 2.5 mm²		8WH9060-5AA06		100	50 units	1BT
	• For terminal size 4 mm²		8WH9063-5AA06		100	50 units	1BT
	• For terminal size 6 mm²		8WH9064-5AA06		100	10 units	1BT
	• For terminal size 10 mm²		8WH9065-5AA06		100	25 units	1BT
	• For terminal size 16 mm²		8WH9066-5AA06		100	25 units	1BT
	• For terminal size 35 mm²		8WH9067-5AA06		100	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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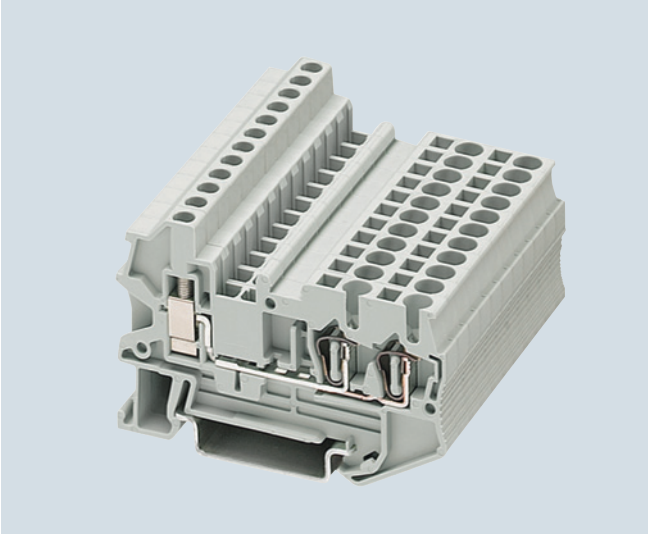
Overview



The terminal connection compartment, on the spring-loaded side as well as on 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 are due to the fact that the spring-loaded terminal of the hybrid through-type terminal is used inside the control cabinet and the universal screw terminal is used at the end-user's side.
A PE terminal with the same contour is available for the three-wire terminal. Contact is made by simply snapping the terminal onto the support rail.

This meets the following requirements of IEC 60947-7-2:

- Low contact resistance
- Stainless clamping points
- Green-yellow enclosure
- Additional inscription options

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH2103-2BF00 8WH2103-2BF01	8WH2103-3BF07	8WH2103-2BG00 8WH2103-2BG01	8WH2103-3BG07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 65.3 / 2.2 42.8 / 50.3		 6.2 / 74.4 / 2.2	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 28 / 4 8 / 3 III / I	 --	 32 / 6	 --
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5 ... 1		 0.25 ... 4 0.25 ... 4	
Stripped length in mm	10			
Plug gauge (IEC 60947-1)	A3		A4	
Connection capacity of screw terminal • Flexible with end sleeves with/without plastic sleeve in mm²	 0.25 ... 2.5 / 0.25 ... 2.5		 0.25 ... 4 / 0.25 ... 4	
Multi-conductor connection (two conductors of same cross-section) • Rigid / flexible in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.14 ... 1.5 / 0.14 ... 1.5 0.25 ... 1.5 0.5 ... 1.5		 0.5 ... 2.5	
Stripped length in mm	9			
Plug gauge (IEC 60947-1)	A3		A4	
Tightening torque in Nm	0.6 ... 0.8		0.6 ... 0.8	
Molded plastic type • Flammability Class acc. to UL 94	PA V0			
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 Applied for Applied for			
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

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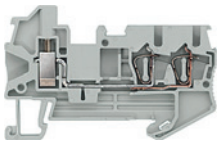
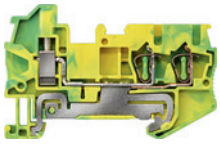
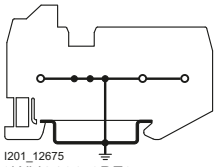
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2103-2BF00	**Hybrid through-type terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • IEC 60947-7-1 • Spring - 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 • Screw - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm² - AWG 26 ... 14 - *I* = 28 A - *U* = 800 V							
	Versions						
	• Gray		**8WH2103-2BF00**		1	50 units	1BT
	• Blue		**8WH2103-2BF01**		1	50 units	1BT
 8WH2103-3BF07	**PE hybrid through-type terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • IEC 60947-7-2 • Spring - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 • Screw - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm² - AWG 26 ... 14		**8WH2103-3BF07**		1	50 units	1BT
 I201_12675 8WH2103-3BF07							

4

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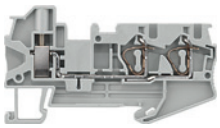
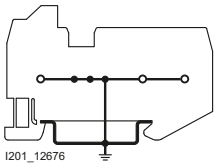
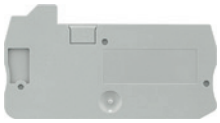
8WH hybrid through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH2103-2BG00	**Hybrid through-type terminals, terminal size 4 mm²** • Terminal width 6.2 mm • IEC 60947-7-1 • Spring - Rigid 0.08 ... 6 mm² - Flexible 0.08 ... 4 mm² - AWG 28-10 - *I* = 32 A - The total current through all connected conductors must not exceed the max. load current - *U* = 800 V • Screw - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 4 mm² - AWG 26 ... 10 - *I* = 32 A - *U* = 800 V							
	Versions						
	• Gray		**8WH2103-2BG00**		1	50 units	1BT
	• Blue		**8WH2103-2BG01**		1	50 units	1BT
8WH2103-3BG07	**PE hybrid through-type terminals, terminal size 4 mm²** • Terminal width 6.2 mm • IEC 60947-7-2 • Spring - Rigid 0.08 ... 6 mm² - Flexible 0.08 ... 4 mm² - AWG 28-10 • Screw - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 4 mm² - AWG 26 ... 10		**8WH2103-3BG07**		1	50 units	1BT
 8WH2103-3BG07							
Accessories							
 8WH9000-2HA00	**Covers** Gray						
	Versions						
	• For terminal size 2.5 mm² and three clamping points		**8WH9000-2HA00**		100	50 units	1BT
	• For terminal size 4 mm² and three clamping points		**8WH9003-2HA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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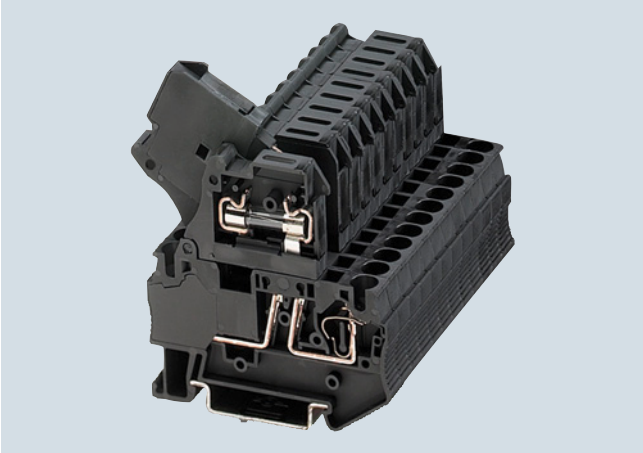
Overview



Fuse terminals for blade-type fuses

The fuse terminals for blade-type fuses accommodate blade-type fuses according to ISO/DIS 8820 / DIN 72581-3. 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 shaft enables uninterrupted bridging between the through-type terminals and the fuse terminals.

Fuse terminals for G fuse links are available for standardized electrical fuse formats 5 × 20 mm and 6.3 × 32 mm (inch fuse) – and are optionally available with LED display to signal a blown fuse.

A label can be snapped on to the middle of the terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH2000-1AG08 8WH2000-1BG28 8WH2000-1BG38	**8WH2000-1GG08 8WH2000-1JG38 8WH2000-1JG68 8WH2000-1MG08**	**8WH2000-1HG08 8WH2000-1NG38 8WH2000-1NG68 8WH2000-1RG08**
Dimensions • Width/length in mm • Height (NS 35/7.5 / NS 35/15) in mm	 8.2 / 86.5 43.5 / 51	 6.2 / 61.5 62.5 / 70	 8.2 / 76.5 69 / 76.5
Technical specifications acc. to IEC/DIN VDE • Fuse type ISO/DIS 8820 / DIN 72581-3 / dimensions / in mm • Maximum current for single arrangement in A	 C 30	 G / 5 × 20 3.3	 G / 6.3 × 32 10
Max. power loss at 23 °C acc. to IEC 60647-7-3 in W[1)] • *U* in V • Overload protection - Individually in W - As group in W • Only short-circuit protection - Individually in W - As group in W • I_{max} in A • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 -- -- -- -- -- -- 6 / 3 III / I	 250 1.6 1.6 4 2.5 6.3 4 / 3	 400 10 6 / 3
Connection capacities • Flexible with end sleeve without/with plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 4 / 0.25 ... 4 0.5		
Stripped length in mm	10		
Plug gauge (IEC 60947-1)	A4	A3	A4
Molded plastic type • Flammability Class acc. to UL 94	PA V0		
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 30 / 24 ... 10 --	 300 / 6.3 / 24 ... 10	 300 / 10 / 24 ... 10

1) Please note: The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links. Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested. Higher ambient temperatures represent an additional load for the fuse links. A shift in rated current should therefore be taken into account in such applications. When selecting G fuse links, make sure that they do not exceed the specified maximum power loss.
For specification details, contact the fuse manufacturer.

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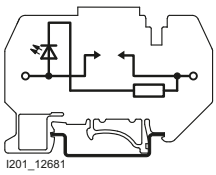
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
8WH2000-1AG08 8WH2000-1BG28  I201_12681 8WH2000-1BG28	**Fuse terminals, terminal size 4 mm², for blade-type fuses acc. to ISO/DIS8820/DIN72581-3** • Terminal width 8.2 mm • c UL us • Connection data - Rigid 0.08 ... 6 mm² - Flexible 0.08 ... 4 mm² - AWG 28-10 - I = 30 A - U = 400 V • Enclosed at both ends						
	Versions						
	• Without LED display		8WH2000-1AG08		1	50 units	1BT
	• LED display 12 V		8WH2000-1BG28		1	50 units	1BT
	• LED display 24 V		8WH2000-1BG38		1	50 units	1BT
8WH2000-1GG08 8WH2000-1JG38	**Fuse terminals, terminal size 4 mm², for 5 x 20 mm G fuse links** • Terminal width 6.2 mm • c UL us • IEC 60947-7-3 • With fuse - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I_{max} = 6.3 A, only short-circuit protection, single 4 W, group 2.5 W - U = 250 V, overload protection, single 4 W, group 1.6 W • As isolating terminal - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I = 6.3 A, U = 250 V • Enclosed at both ends						
	Versions						
	• Without LED display		8WH2000-1GG08		1	50 units	1BT
	• LED display 15 ... 30 V		8WH2000-1JG38		1	50 units	1BT
	• LED display 30 ... 60 V		8WH2000-1JG68		1	50 units	1BT
	• LED display 110 ... 250 V		8WH2000-1MG08		1	50 units	1BT
8WH2000-1HG08	**Fuse terminals, terminal size 4 mm², for G fuse links 6.3 x 32 mm (inch fuses)** • Terminal width 8.2 mm • c UL us • IEC 60947-7-3 • With fuse - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I = 10 A - U = 400 V - Current and voltage are determined by the fitted fuse or the selected LED display • As isolating terminal - Rigid 0.08 ... 6 mm², flexible 0.08 ... 4 mm², AWG 28-10 - I = 10 A, U = 400 V • Enclosed at both ends						
	Versions						
	• Without LED display		8WH2000-1HG08		1	50 units	1BT
	• With LED display 100 ... 250 V		8WH2000-1RG08		1	50 units	1BT
Accessories							
8WH9070-0AA00	**Compartment partitions, for terminal sizes 1.5 and 4 mm²**						
	Versions						
	• Two clamping points		8WH9070-0AA00		100	50 units	1BT
	• Three clamping points (inch fuse)		8WH9070-0KA00		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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Overview

Through-type terminals with isolating blade capability are the most commonly used terminal types in measuring and control technology.

The isolating blade terminals with nominal cross-section of 2.5 mm² are characterized in particular by their slim design of 5.2 mm and their high current-carrying capacity of 16 A.
In addition the terminals provide a test tap parallel to the isolation point for 2.3 mm ∅ test plugs. Potential distributors can be conveniently assembled using 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.

A label can be snapped on to the middle of the terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH2000-6CF00	8WH2500-6CF00	8WH2003-6CF00	8WH2004-6CF00	8WH2000-6CG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 60.5 / 2.2 36.5 / 44	 5.2 / 51 / 2.2 43 / 50.5	 5.2 / 72 / 2.2 36.5 / 44	 5.2 / 84 / 2.2	 6.2 / 61.5 / --
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Maximum data / rated data in A / mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 16 / 4 -- 6 / 3 III / I				 16 / 6
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0,25... 2.5 0.25 ... 2.5 0.5				 0.25 ... 4 0.25 ... 4
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A4	A3	A4	A3	
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 16 / 26 ... 12 --	 600 / 16 / 24 ... 12	 600 / 16 / 26 ... 12		 300 / 6.3 / 24 ... 10

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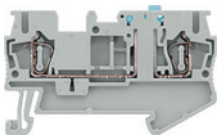
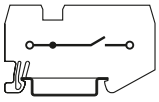
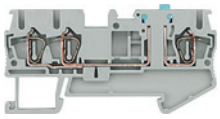
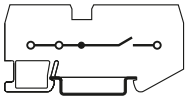
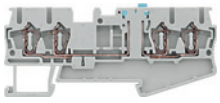
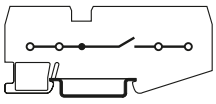
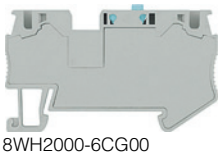
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2000-6CF00  I201_12684 8WH2000-6CF00	**Isolating blade terminals, terminal size 2.5 mm²** • 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* = 16 A - *U* = 400 V • For 3 and 4 clamping points: - Rigid 0.14 ... 4 mm² - Flexible 0.14 ... 2.5 mm² - AWG 26 ... 14						
	Versions						
	• Gray - Two clamping points - Three clamping points - Four clamping points		 8WH2000-6CF00 8WH2003-6CF00 8WH2004-6CF00		 1 1 1	 50 units 50 units 50 units	 1BT 1BT 1BT
 8WH2003-6CF00  I201_12685 8WH2003-6CF00	Note On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current.						
 8WH2004-6CF00  I201_12686 8WH2004-6CF00							
 8WH2000-6CG00	**Isolating blade terminals, size 4 mm², two clamping points** • Gray • 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* = 16 A, *U* = 400 V • Enclosed at both ends		8WH2000-6CG00		1	50 units	1BT
Accessories							
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²**						
	Versions						
	• Two clamping points • Three clamping points • Four clamping points		8WH9070-0AA00 8WH9070-0GA00 8WH9070-0HA00		100 100 100	50 units 50 units 50 units	1BT 1BT 1BT
88WH9000-2GA00	**Covers, for terminal size 1.5 ... 2.5 mm²**						
	Versions						
	• For two clamping points • For three clamping points • For four clamping points		8WH9000-2GA00 8WH9000-4GA00 8WH9000-5GA00		100 100 100	50 units 50 units 50 units	1BT 1BT 1BT
8WH9000-0GA00	**Cover segments, for terminal size 2.5 mm² and three or four clamping points**		8WH9000-0GA00		100	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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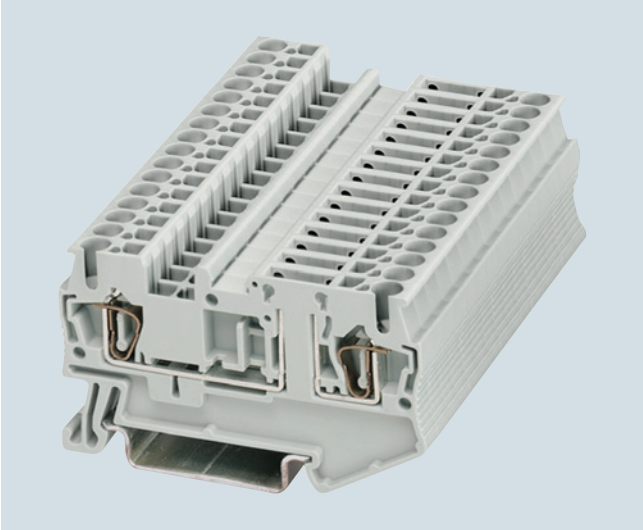
Overview



The isolating terminals are available with the same contour as the isolating blade terminals. The terminals excel with their narrow width of only 5.2 mm and their high current load rating of 16 A.

There is a test option for 2.3 mm ∅ test plugs at both ends of the isolating point.

The 6.2 mm wide isolating terminal with terminal size 4 mm² is a base terminal for accommodating:

- Isolating plugs,
- Through-type connectors,
- Fused connectors and
- Component connectors.

A label can be snapped on to the middle of the terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH2000-6AF00	8WH2500-6AF00	8WH2003-6AF00	8WH2004-6AF00	8WH2000-6AG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 60.5 / 2.2 36.5 / 44	 5.2 / 51 / 2.2 43 / 50.5	 5.2 / 72 / 2.2 36.5 / 44	 5.5 / 84 / 2.2	 6.2 / 61.5 / --
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 16 / 4 6 / 3 III / I				 16 / 6
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5				 0.25 ... 4 0.25 ... 4
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A3				A4
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 300 / 16 / 26 ... 12 --	300 / 16 / 24 ... 12	300 / 16 / 26 ... 12		300 / 6.3 / 24 ... 10

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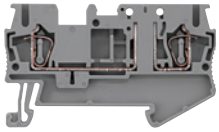
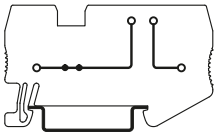
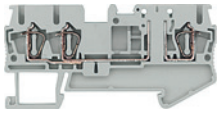
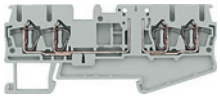
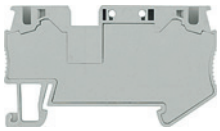
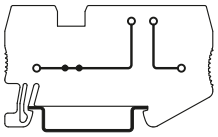
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2000-6AF00  I201_12682 8WH2000-6AF00  8WH2003-6AF00  8WH2004-6AF00	**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						
	Versions						
	• Two clamping points		**8WH2000-6AF00**		1	50 units	1BT
	• Three clamping points		**8WH2003-6AF00**		1	50 units	1BT
	• Four clamping points		**8WH2004-6AF00**		1	50 units	1BT
Terminal size 4 mm²							
 8WH2000-6AG00  I201_12682 8WH2000-6AG00	**Isolating terminals, terminal size 4 mm², two clamping points** • Gray • 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 - Current and voltage are determined by the fitted plug - *I* = 16 A - *U* = 400 V • Enclosed at both ends		**8WH2000-6AG00**		1	50 units	1BT
Accessories							
8WH9070-0GA00	**Compartment partitions**						
	Versions						
	• For terminal size 2.5 mm²						
	- For three clamping points		**8WH9070-0GA00**		100	50 units	1BT
	- For four clamping points		**8WH9070-0HA00**		100	50 units	1BT
	• For terminal size 4 mm²						
	- For two clamping points		**8WH9070-0AA00**		100	50 units	1BT
8WH9000-2GA00	**Covers** Gray						
	Versions						
	• For terminal size 1.5 up to 2.5 mm² and two clamping points		**8WH9000-2GA00**		100	50 units	1BT
	• For terminal size 2.5 mm² and three clamping points		**8WH9000-4GA00**		100	50 units	1BT
	• For terminal size 2.5 mm² and four clamping points		**8WH9000-5GA00**		100	50 units	1BT
8WH9000-0GA00	**Cover segments, for terminal sizes 1.5 mm² and 2.5 mm² and three or four clamping points** Gray		**8WH9000-0GA00**		100	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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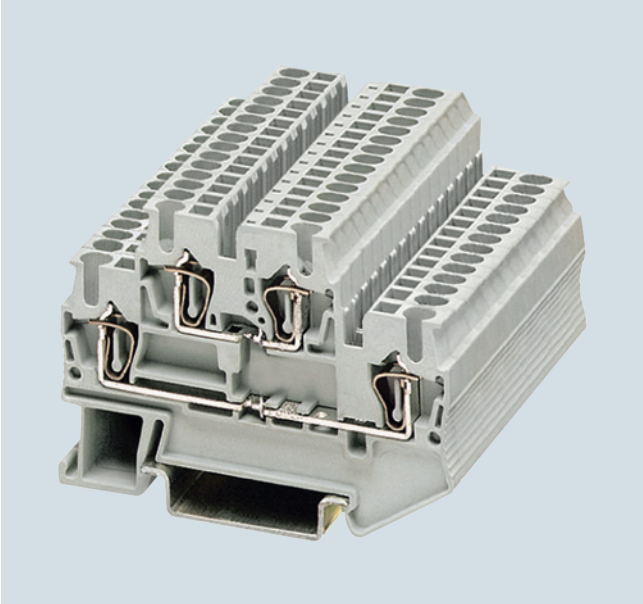
Overview



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 wiring 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 provided 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
- Stainless 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.

The clamping points of two-tier terminals can be inscribed with flat labels.

Technical specifications

	8WH2020-0AE00 8WH2020-0AE01 8WH2025-0AE00	8WH0020-0CE07	8WH2020-0AF00 8WH2020-0AF01 8WH2025-0AF00	8WH2023-0AF00 8WH2023-0AF01 8WH2022-0AF00	8WH2020-0CF07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	4.2 / 67.5 / 2.2 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 • Max. load current in A / cross-section in mm² • Maximum data / rated data in A / mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	17.5 / 1.5 -- 6 / 3 III / I	--	26 / 4	-- 26 / 4 // 22 / 2.5	-- --
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	0.25 ... 1.5 0.25 ... 1.5 0.5		0.25 ... 2.5 0.25 ... 2.5		
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A1		A3		
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	300 / 15 / 26 ... 14 300 / 15 / 26 ... 14	-- / -- / 26 ... 14 -- / -- / 26 ... 14	600 / 20 / 26 ... 12 --	300 / 20 / 26 ... 12	-- / -- / 26 ... 12 -- / -- / 26 ... 12
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--		See page 1/3, section "Support rails"

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8WH two-tier terminals

	8WH2023-0CF07	8WH2020-4AF00	8WH2020-4BF00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 91.5 / 2.2 47.5 / 55	 5.2 / 67.5 / 2.2	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 -- 6 / 3 III / I	 32 / 4	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5		
Stripped length in mm	10		
Plug gauge (IEC 60947-1)	A3		
Molded plastic type • Flammability Class acc. to UL 94	PA V0		
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 -- / -- / 26 ... 12 -- / -- / 26 ... 12	 300 / 20 / 26 ... 12 --	 --
Support rails/protective conductor busbars	See page 1/3, section "Support rails"	--	

	8WH2020-4CF00	8WH2020-0AG00 8WH2020-0AG01 8WH2025-0AG00	8WH2020-0CG07
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 67.5 / 2.2 47.5 / 55	 6.2 / 83.5 / 2.2	 6.2 / 83.5 / 2.2
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 26 / 4 6 / 3 III / I	 32 / 6	 --
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5	 0.25 ... 4 0.25 ... 4 0.5 ... 1	 0.25 ... 4 0.25 ... 4 0.5 ... 1
Stripped length in mm	10		
Plug gauge (IEC 60947-1)	A3	A4	
Molded plastic type • Flammability Class acc. to UL 94	PA V0		
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in AWG - CSA: in AWG	 300 / 20 / 26 ... 12 -- / -- / 26 ... 12	 300 / 30 / 20 ... 10	 20 ... 10 20 ... 10
Support rails/protective conductor busbars	--		See page 1/3, section "Support rails""

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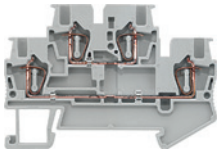
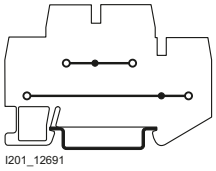
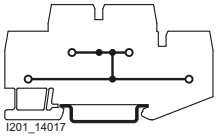
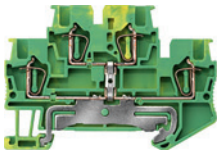
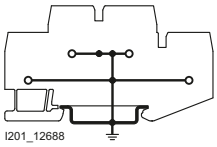
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 1.5 mm²							
 8WH2020-0AE00	**Two-tier terminals, terminal size 1.5 mm²** • Terminal width 4.2 mm • c UL us, CE • IEC 60947-7-1 - Rigid 0.08 ... 1.5 mm² - Flexible 0.08 ... 1.5 mm² - AWG 28-16 - *I* = 17.5 A - The total current through all connected conductors must not exceed the max. load current - *U* = 500 V						
 I201_12691 8WH2020-0AE00	Versions • Gray - Without equipotential bonding, 2-pole CE - With equipotential bonding, 1-pole • Blue, 2-pole		 **8WH2020-0AE00** **8WH2025-0AE00** **8WH2020-0AE01**		 1 1 1	 50 units 50 units 50 units	 1BT 1BT 1BT
 I201_14017 8WH2025-0AE00							
 8WH2020-0CE07	**PE two-tier terminals, terminal size 1.5 mm²** • Terminal width 4.2 mm • c UL us, CE • IEC 60947-7-1 - Rigid 0.08 ... 1.5 mm² - Flexible 0.08 ... 1.5 mm² - AWG 28-16 • Green/yellow		**8WH2020-0CE07**		1	50 units	1BT
 I201_12688 8WH2020-0CE07							

4

* You can order this quantity or a multiple thereof.

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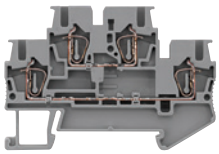
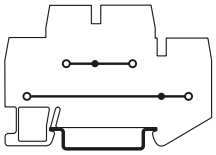
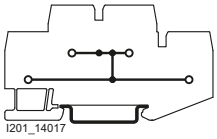
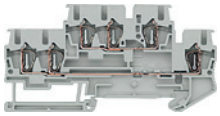
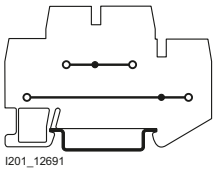
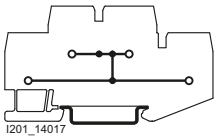
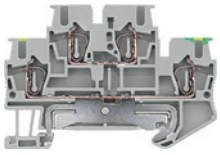
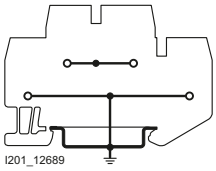
8WH two-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2020-0AF00	**Two-tier terminals, terminal size 2.5 mm²** • 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* = 26 A - The total current through all connected conductors must not exceed the max. load current - *U* = 500 V						
 I201_12691 8WH2020-0AF00	Versions						
	• Gray						
	- Without equipotential bonding, 2-pole		**8WH2020-0AF00**		1	50 units	1BT
	- With equipotential bonding, 1-pole		**8WH2025-0AF00**		1	50 units	1BT
	• Blue						
	- Without equipotential bonding, 2-pole		**8WH2020-0AF01**		1	50 units	1BT
	- With equipotential bonding, 1-pole		**8WH2025-0AF01**		1	50 units	1BT
 I201_14017 8WH2025-0AF00							
 8WH2023-0AF00	**Two-tier terminals, terminal size 2.5 mm², three clamping points on one level** • 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* = 26 A - The total current through all connected conductors must not exceed the max. load current - *U* = 500 V						
 I201_12691 8WH2023-0AF00	Versions						
	• Gray						
	- Without equipotential bonding, 2-pole		**8WH2023-0AF00**		1	50 units	1BT
	- With equipotential bonding, 1-pole		**8WH2022-0AF00**		1	50 units	1BT
	• Blue, 2-pole		**8WH2023-0AF01**		1	50 units	1BT
 I201_14017 8WH2022-0AF00							
 8WH2020-4AF00	**Two-tier terminals, terminal size 2.5 mm², L at top and PE at bottom** • Gray • Terminal width 5.2 mm • c UL us • DIN VDE 0611 and IEC 60947-7-2 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 32 A - *U* = 500 V		**8WH2020-4AF00**		1	50 units	1BT
 I201_12689 8WH2020-4AF00							

* You can order this quantity or a multiple thereof.

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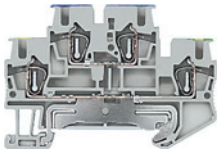
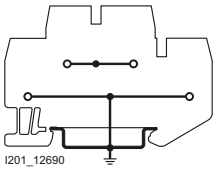
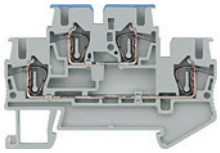
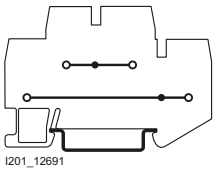
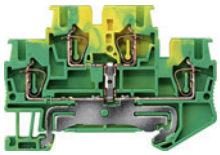
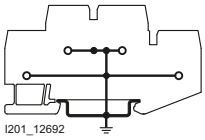
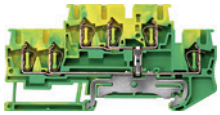
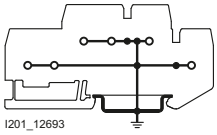
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH2020-4BF00  I201_12690 8WH2020-4BF00	**Two-tier terminals, terminal size 2.5 mm², N at top and PE at bottom** • Gray • Terminal width 5.2 mm • DIN VDE 0611 and IEC 60947-7-2 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 32 A - *U* = 500 V		8WH2020-4BF00		1	50 units	1BT
 8WH2020-4CF00  I201_12691 8WH2020-4CF00	**Two-tier terminals, terminal size 2.5 mm², N at top and L at bottom** • 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 - *I* = 26 A - *U* = 500 V		8WH2020-4CF00		1	50 units	1BT
 8WH2020-0CF07  I201_12692 8WH2020-0CF07	**PE two-tier terminals, terminal size 2.5 mm², two clamping points on one level** • 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 • Green/yellow		8WH2020-0CF07		1	50 units	1BT
 8WH2023-0CF07  I201_12693 8WH2023-0CF07	**PE two-tier terminals, terminal size 2.5 mm², three clamping points on one level** • 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 • Green/yellow		8WH2023-0CF07		1	50 units	1BT

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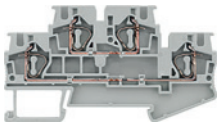
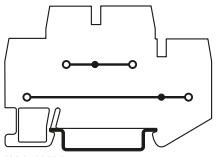
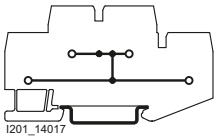
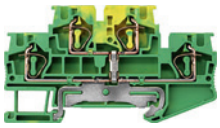
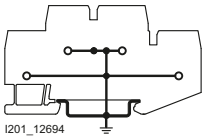
8WH two-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH2020-0AG00	**Two-tier terminals, terminal size 4 mm²** • 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 = 32 A - The total current through all connected conductors must not exceed the max. load current - U = 500 V						
 I201_12691 8WH2020-0AG00	Versions • Gray - Without equipotential bonding, 2-pole - With equipotential bonding, 1-pole • Blue, 2-pole		 **8WH2020-0AG00** **8WH2025-0AG00** **8WH2020-0AG01**		 1 1 1	 50 units 50 units 50 units	 1BT 1BT 1BT
 I201_14017 8WH2025-0AG00							
 8WH2020-0CG07	**PE two-tier 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 • Green/yellow		**8WH2020-0CG07**		1	50 units	1BT
 I201_12694 8WH2020-0CG07							
Accessories							
8WH9070-0BA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick		**8WH9070-0BA00**		100	50 units	1BT
8WH9000-1VA00	**Covers** Gray Versions • For terminal size 1.5 up to 2.5 mm² • For terminal size 2.5 mm² and three clamping points • For terminal size 4 mm²		 **8WH9000-1VA00** **8WH9000-2VA00** **8WH9003-1VA00**		 100 100 100	 50 units 50 units 50 units	 1BT 1BT 1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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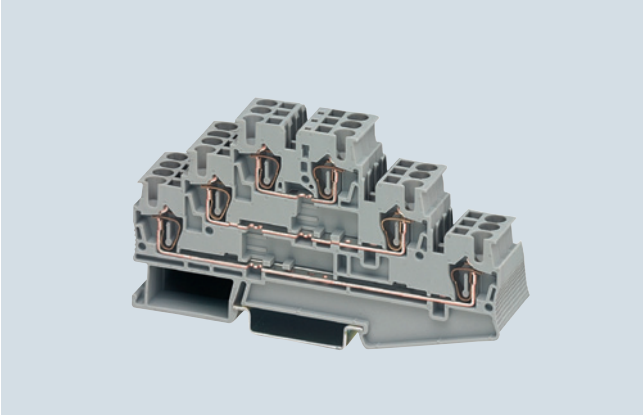
Overview



Our three-tier terminals offer three feed-through levels in a slim 5.2 mm terminal enclosure. They enable high wiring density – ideal for switchboards where space is at a premium.

With one bridge shaft per tier, these terminal blocks are ideal for use as compact potential distributors 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.

Inscription

Each tier of three-tier terminals can be inscribed with flat labels. If a label holder is used, the labels can be inserted at the front.

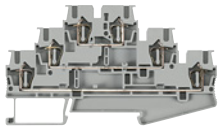
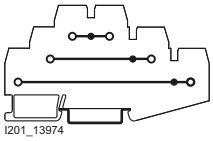
Benefits

- Three feed-through levels with minimum footprint
- Comprehensive range of inscription options
- Matching accessories for 8WH terminal range
- One bridge shaft per tier
- Label holder is inserted

Technical specifications

	8WH2030-0AF00 8WH2030-0AF01 8WH2035-0AF00	8WH2035-0CF07	8WH2030-4EF00 8WH2030-4HF00
Dimensions • Width/length in mm • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm	 5.2 / 99.5 58 / 65.5	 5.2 / 99.5 58 / 65.5	 5.2 / 99.5 58 / 65.5
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 28 / 4 6 / 3 III / I	 -- 6 / 3 III / I	 28 / 4 6 / 3 III / I
Connection capacities • Flexible with end sleeve without / with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with TWIN end sleeve with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5	 0.25 ... 2.5 0.25 ... 2.5 0.5	 0.25 ... 2.5 0.25 ... 2.5 0.5
Stripped length in mm	10	10	10
Plug gauge (IEC 60947-1)	A3	A3	A3
Molded plastic type • Flammability Class acc. to UL 94	PA V0	PA V0	PA V0
Approval data (UL/CUR and CSA) • Rated voltage / rated current / conductor sizes - UL/CUR: V/A/AWG - CSA: V/A/AWG	 600 / 20 / 26 ... 12 --	 -- / -- / 24 ... 12 --	 300 / 20 / 26 ... 12 --

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2030-0AF00	**Three-tier terminals, terminal size 2.5 mm²** • Enclosed at both ends • 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 - *U* = 500 V						
 I201_13974 8WH2030-0AF00	Versions • Gray • Blue		 **8WH2030-0AF00** **8WH2030-0AF01**		 1 1	 50 units 50 units	 1BT 1BT

* You can order this quantity or a multiple thereof.

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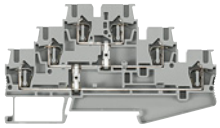
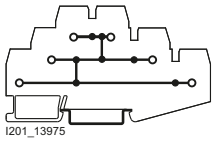
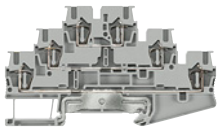
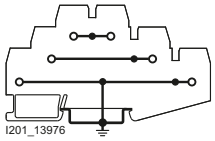
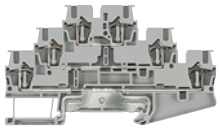
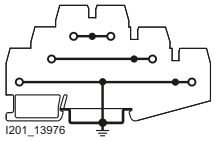
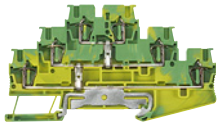
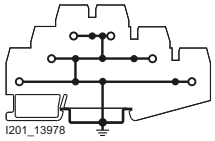
8WH three-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS/ P. unit	PG
 8WH2035-0AF00  I201_13975 8WH2035-0AF00	**Three-tier terminals, with equipotential bonding, terminal size 2.5 mm²** • Enclosed at both ends • 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 - *U* = 500 V Note The total current through all connected conductors must not exceed the max. load current.		8WH2035-0AF00		1	50 units	1BT
 8WH2030-4EF00  I201_13976 8WH2030-4EF00	**Three-tier terminals, "PE/L/N", terminal size 2.5 mm²** • Enclosed at both ends • Terminal width 5.2 mm • c UL us • IEC 60947-7-1 + IEC 60947-7-2 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12		8WH2030-4EF00		1	50 units	1BT
 8WH2030-4HF00  I201_13976 8WH2030-4HF00	**Three-tier terminals, "PE/L/L", terminal size 2.5 mm²** • Enclosed at both ends • Terminal width 5.2 mm • c UL us • IEC 60947-7-1 + IEC 60947-7-2 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 28 A - *U* = 500 V		8WH2030-4HF00		1	50 units	1BT
 8WH2035-0CF07  I201_13978 8WH2035-0CF07	**PE three-tier terminals, terminal size 2.5 mm²** • Enclosed at both ends • 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		8WH2035-0CF07		1	50 units	1BT
Accessories							
8WH9000-1GD00	**Covers for three-tier terminals**		8WH9000-1GD00		100	50 units	1BT
8WH9060-4BA00	**Label holders, for three-tier terminals**		8WH9060-4BA00		100	100 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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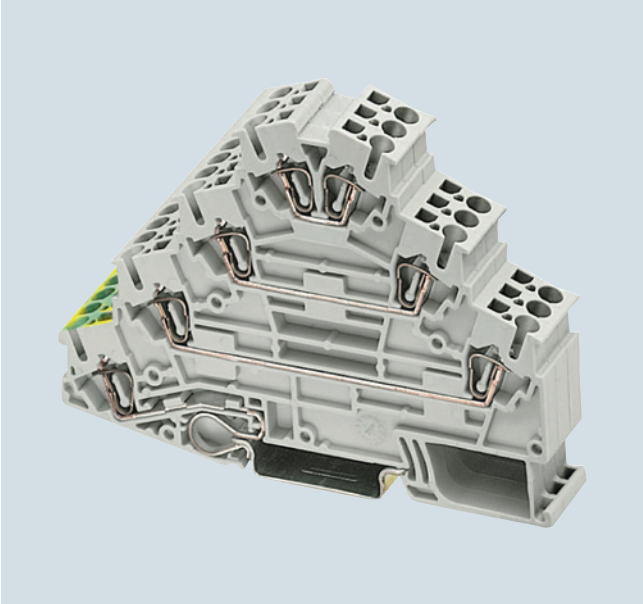
Overview



Terminal size 2.5 mm²

The four-tier motor terminals with terminal size 2.5 mm² are ideal for the compact wiring of AC loads. They have three through-levels and one PE connection which is contacted by simply snapping it onto the mounting rail.

No cross-bridging option.

Terminal size 4 mm²

Like the 2.5 mm² version, the four-tier motor terminal with 4 mm² also allows the wiring of three phases and the PE in a single terminal. This terminal is enclosed at both ends.

No cross-bridging option.

Integrated PE/ground conductor function

PE contact with the support rail is made by simply snapping the terminal onto the rail. This makes the four-tier motor terminals with terminal size 4 mm² ideal for the space-saving wiring of AC motors.

Inscription

Each clamping point has a facility for inscription and a test option for 2.3 mm ∅ test plugs.

There is also sufficient space for labeling in the middle of the terminal on the front.

Labels can be mounted flat at the side of the terminals by simply snapping on.

Technical specifications

	8WH2040-4LF00	8WH2040-4LG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 98.5 / 2.2 73.5 / 81	 6.2 / 101 / -- 83.5 / 91
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 26 / 4 8 / 3 III / I	 32 / 6
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 --	 0.25 ... 4 0.25 ... 4 0.5 ... 1
Stripped length in mm	10	
Plug gauge (IEC 60947-1)	A3	A4
Molded plastic type • Flammability Class acc. to UL 94	PA V0	
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 -- / -- / 26 ... 12 --	 -- 600 / 30 / 28-10

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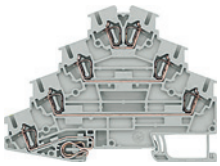
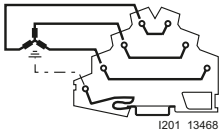
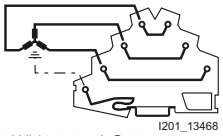
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2040-4LF00  8WH2040-4LF00	**Four-tier motor terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • c UL us • IEC 60947-7-1 and IEC 60947-7-2 - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 26 A - *U* = 800 V		8WH2040-4LF00		1	50 units	1BT
Terminal size 4 mm²							
8WH2040-4LG00  8WH2040-4LG00	**Four-tier motor terminals, terminal size 4 mm²** • Terminal width 6.2 mm • c UL us CSA • IEC 60947-7-1 and IEC 60947-7-2 - Rigid 0.08 ... 6 mm² - Flexible 0.08 ... 4 mm² - AWG 28-10 - *I* = 32 A - *U* = 800 V • Enclosed at both ends		8WH2040-4LG00		1	50 units	1BT
Accessories							
8WH2040-4LG00	**Covers** **For four-tier motor terminals, terminal size 2.5 mm²**		8WH9000-1GE00		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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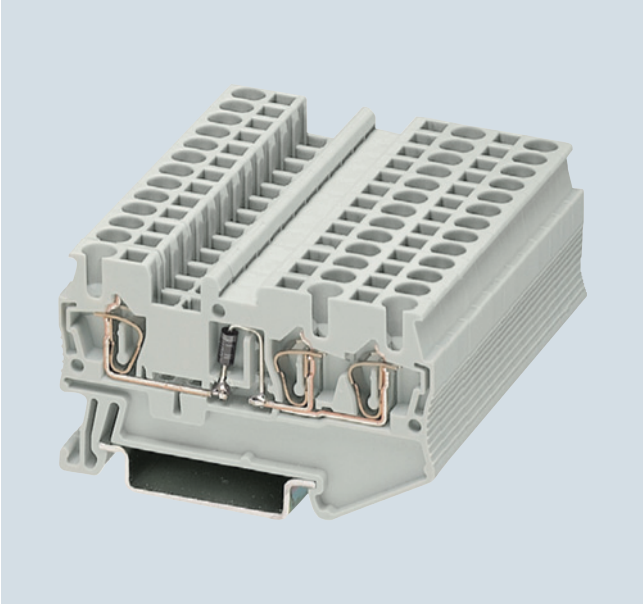
Overview



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 wiring tasks. The diode is soldered in from left to right or vice versa as required.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH2003-5DF00 **8WH2003-5CF00**
Dimensions • Width/length/cover width in mm • Height HV-M ... (NS 35/7.5 / NS 35/15) in mm	 5.5 / 60.5 / 2.2 36.5 / 44
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 Determined by the diode / 4 4 / 3 III / I
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5
Stripped length in mm	10
Plug gauge (IEC 60947-1)	A3
Molded plastic type • Flammability Class acc. to UL 94	PA V0
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: V/A/AWG - CSA: V/A/AWG	 600 / 20 / 26 ... 12 --

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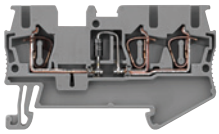
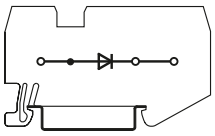
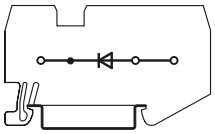
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH2003-5DF00	**Diode terminals, terminal size 2.5 mm², with three clamping points** • Uninterrupted limiting current: 0.5 A • Blocking voltage: 1300 V • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - I = the maximum current is determined by the diode - U = 500 V • With integrated diode • Integrated: diode 1N 4007						
 I201_12712 8WH2003-5DF00	Versions						
	• Let-through from left to right		**8WH2003-5DF00**		1	50 units	1BT
	• Let-through from right to left		**8WH2003-5CF00**		1	50 units	1BT
 I201_12713 8WH2003-5CF00							
Accessories							
8WH9070-0GA00	**Compartment partitions, for terminal size 1.5 ... 4 mm² and three clamping points**		**8WH9070-0GA00**		100	50 units	1BT
8WH9000-4GA00	**Covers, for terminal size 1.5 ... 2.5 mm² and three clamping points**		**8WH9000-4GA00**		100	50 units	1BT
8WH9000-0GA00	**Cover segments, for terminal sizes 1.5 and 2.5 mm² and three clamping points**		**8WH9000-0GA00**		100	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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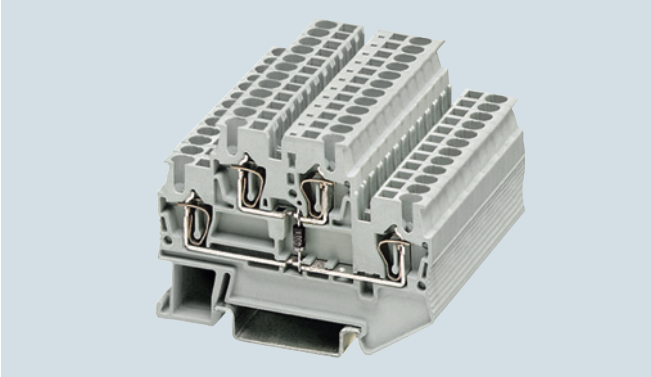
Overview



Two-tier diode terminals can be used together with different versions to implement many different wiring tasks.

The following circuits are possible in the tightest spaces:

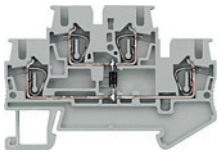
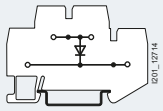
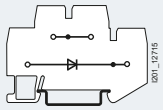
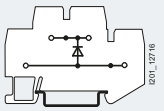
- Freewheel diode circuits
- Lamp test circuits
- Signaling and fault signaling circuits

The clamping points of two-tier terminals can be inscribed with flat labels.

Technical specifications

8WH2020-	5AF00, 5DF00, 5BF00	5HF00, 5FF00, 5KF00 5EF00, 5GF00	5JF30, 5JF80
Dimensions			
• Width/length/cover width 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 (not via diodes) / cross-section in mm²	26 / 4		
• Rated impulse withstand voltage in kV / pollution degree	4 / 3		
• Overvoltage category / molded plastic 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 gauge (IEC 60947-1)	A3		
Molded plastic type	PA		
• Flammability Class acc. to UL 94	V0		
Approval data (UL/cUL and CSA)			
• Rated voltage / rated current / conductor 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General data c UL us						
Terminal size 2.5 mm²							
 8WH2020-5AF00	**Two-tier diode terminals, size 2.5 mm², with one diode** • Terminal width 5.2 mm • Connection 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		8WH2020-5AF00		1	50 units	1BT
	 Let-through from bottom left to top right		8WH2020-5DF00		1	50 units	1BT
	 Let-through from bottom to top		8WH2020-5BF00		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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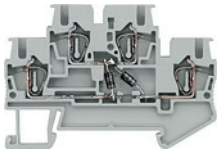
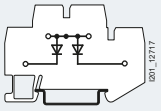
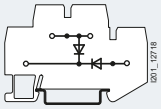
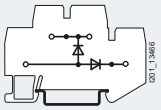
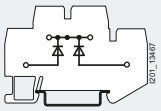
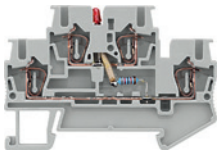
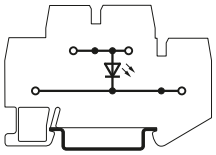
8WH two-tier diode terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH2020-5HF00	**Two-tier-diode terminals, terminal size 2.5 mm², with two diodes** • Terminal width 5.2 mm • Connection 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 left and from top to bottom right		**8WH2020-5HF00**		1	50 units	1BT
	 Let-through from top to bottom left and from bottom right to bottom left		**8WH2020-5KF00**		1	50 units	1BT
	 Let-through from bottom left to top and from bottom left to bottom right		**8WH2020-5EF00**		1	50 units	1BT
	 Let-through from bottom left to top and from bottom right to top		**8WH2020-5GF00**		1	50 units	1BT
 8WH2020-5JF30	**Two-tier diode terminals, terminal size 2.5 mm², with LED** • Terminal width 5.2 mm • Connection data - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 26 A - *U* = 500 V						
	Versions						
	• 15 ... 30 V DC / 2.5 ... 7.5 A		**8WH2020-5JF30**		1	50 units	1BT
 8WH2020-5JF30	• 110 ... 230 V AC/DC / 0.5 ... 1.0 A (glow lamp)		**8WH2020-5JF80**		1	50 units	1BT

Accessories

8WH9070-0BA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²**		**8WH9070-0BA00**		100	50 units	1BT
8WH9000-1VA00	**Covers, for terminal sizes 1.5 and 2.5 mm²**		**8WH9000-1VA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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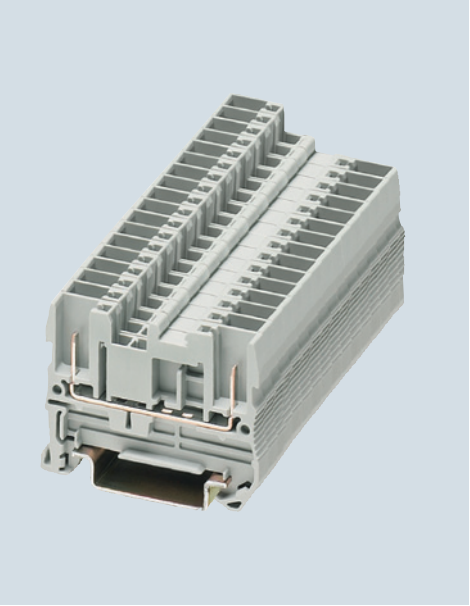
8WH5 Combination Plug-In Terminals



5/2 **Introduction**

5/5 **8WH5 through-type terminals[1)]**

5/7 **8WH5 hybrid through-type terminals with iPo connection**

5/8 **8WH9 plugs[1)]**

[1)] Also available as a PE version

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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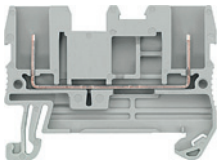
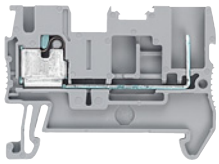
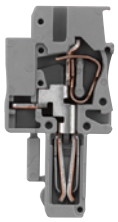
8WH5 Combination Plug-In Terminals

Introduction

Overview

	Devices	Page	Function
	8WH5 through-type terminals	5/5	Terminals for the connection of combination plug-in terminals
	8WH5 hybrid through-type terminals with iPo connection	5/7	Terminals for the connection of combination plug-in terminals
	8WH9 plugs	5/8	For connection of combination plugs for fast wiring

Features

		Terminal type →	Combination plugs		Article No. (digits 8 ... 12)
		Design →	Standard		
		No. of clamping points →	2	4	
		Article No. (digits 1 ... 7) →	8WH5000	8WH5004	
Conductor cross-section	**Terminal type**	**Color**			
2.5 mm²	Through-type	Gray	✔	✔	0AF00
		Blue	✔	✔	0AF01
	PE	Green/yellow	✔	✔	0CF07

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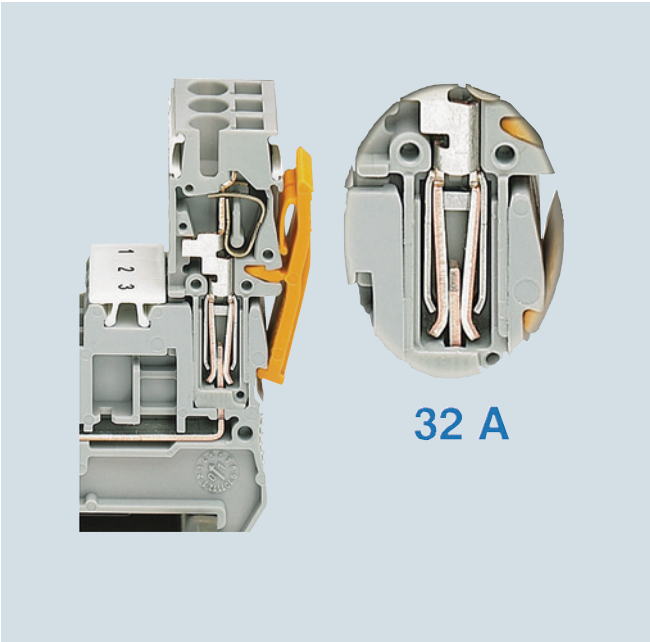
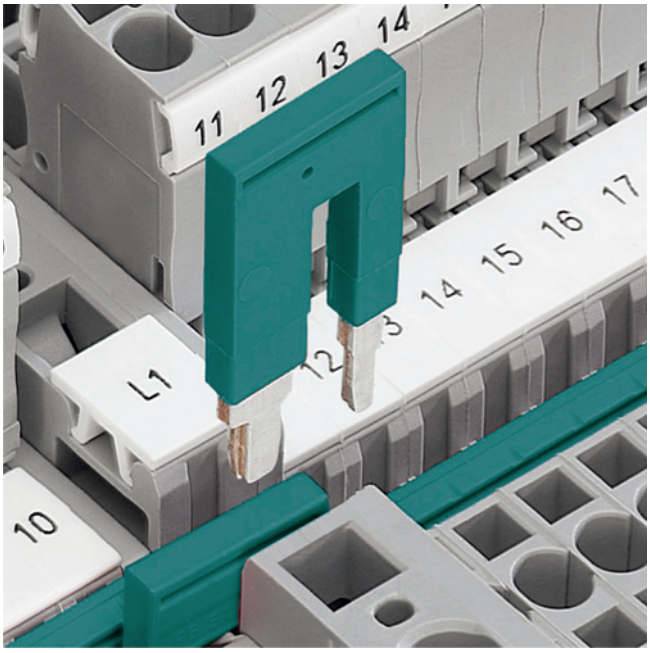
Benefits

High-performance contact



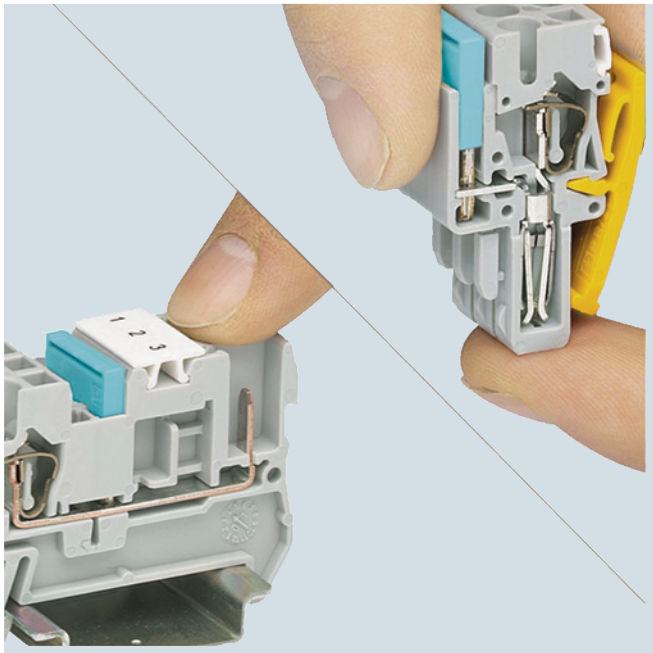
The advanced plug-in system of the combination plug-in terminals enables plug-in wiring up to a rated current of 32 A and a rated voltage of 800 V. The contact system withstands extreme vibration thanks to the integral overspring.

Time and cost-saving potential distribution



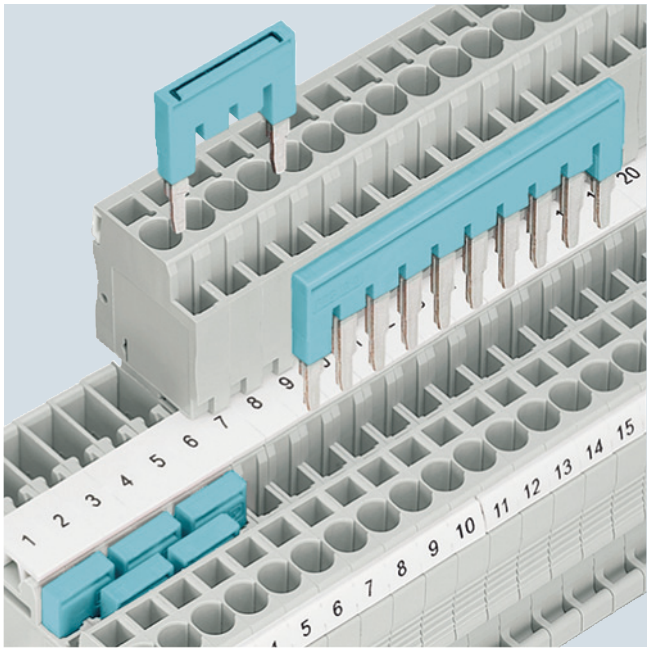
When feeding in large cross-sections, the reducing comb enables time and cost-saving distribution of the potential. For example, it can link a 10 mm² through-type terminal to a 2.5 mm² through-type terminal and two clamping points.

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.

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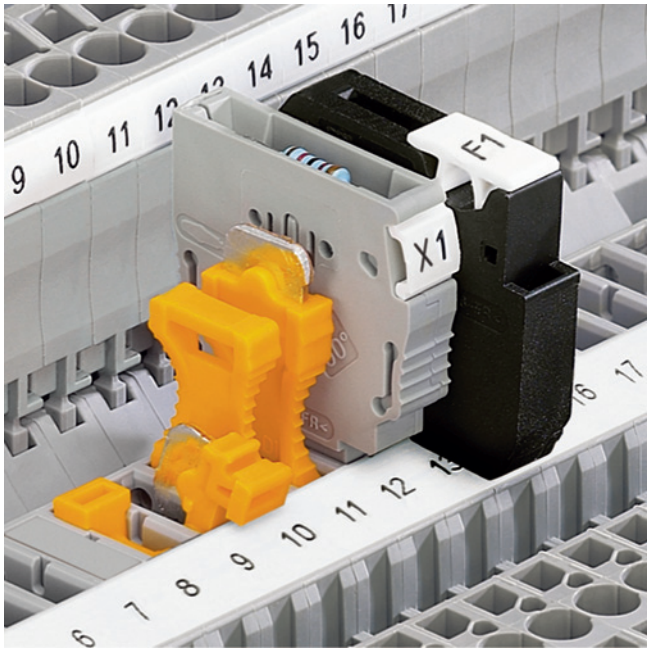
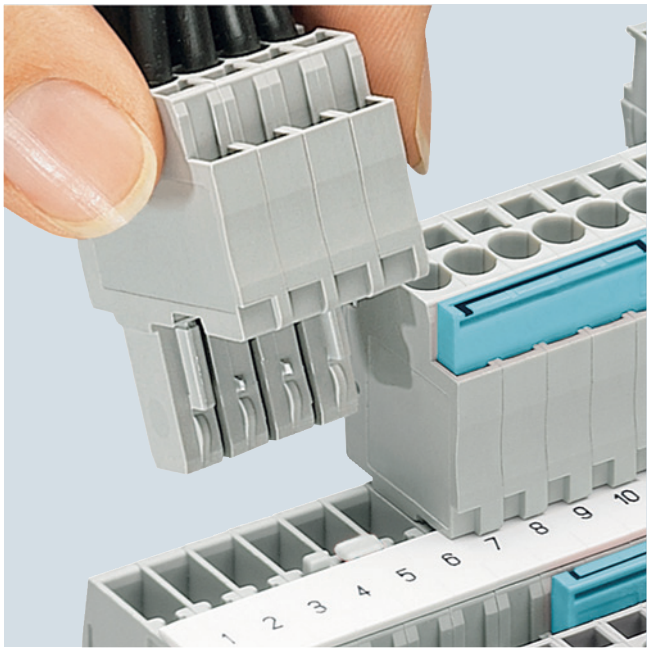
Introduction

Universal plug-in zone



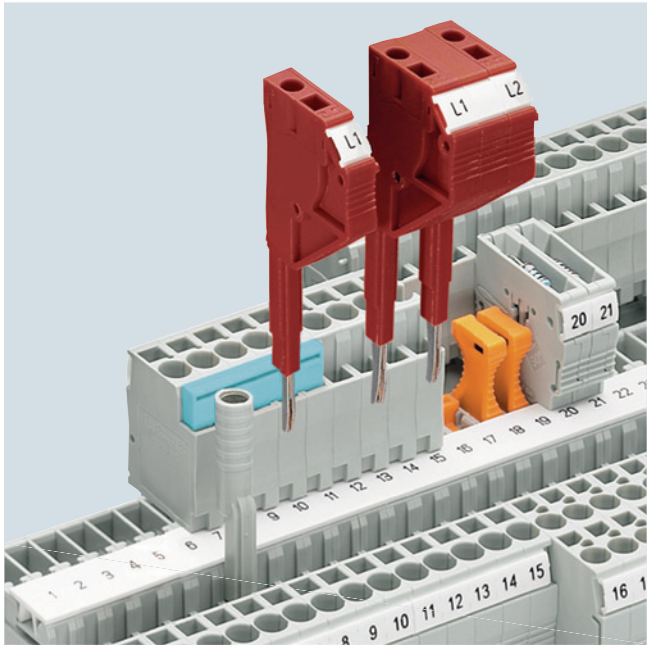
The universal plug-in zone of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.

Coding the combination plug-in terminals



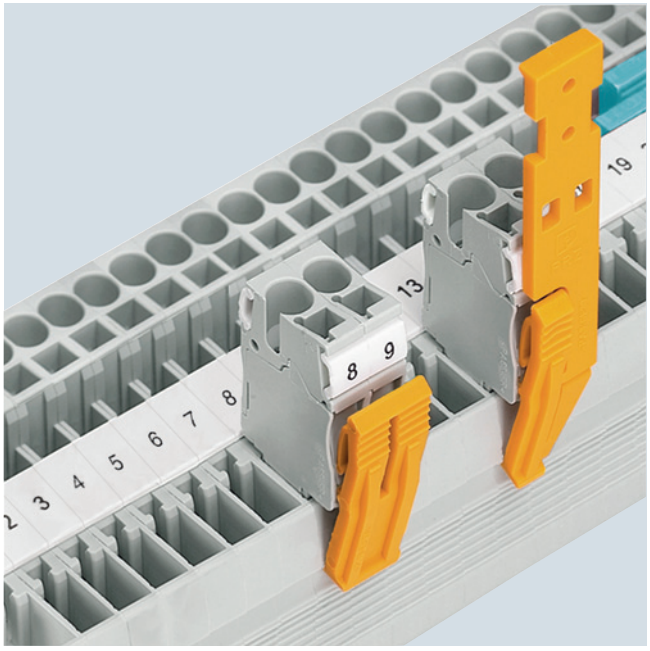
The combination plug-in terminals can be coded with the pin on the plug. The pin is simply removed from the plug, rotated and fitted in the coding position of the base terminal.

Assembling test adapters



Test adapters are available for Ø 4 mm test and safety test plugs. Test plugs can be individually assembled, thanks to the modular design of the test plugs. Measuring leads can be connected over a 1.5 mm² 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.

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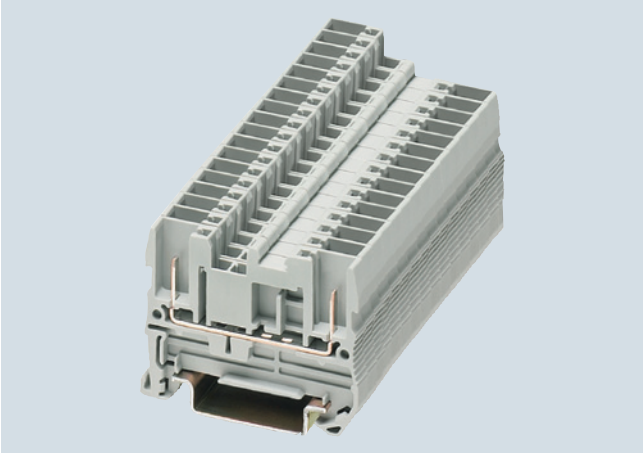
Overview



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.

The plugs used have a terminal size of 2.5 mm², thus enabling continued use of familiar accessories, such as latches, strain relief and shield connectors.

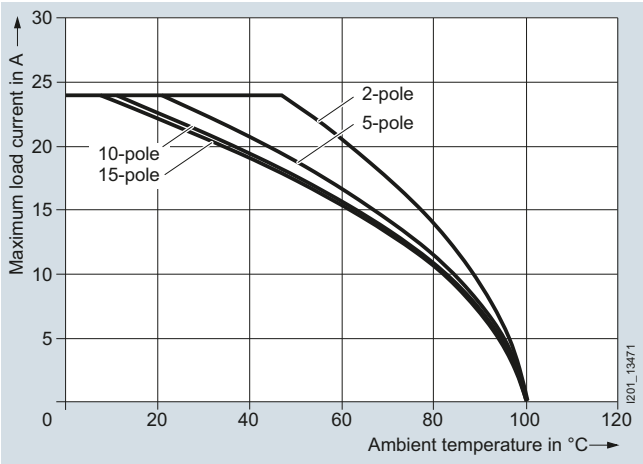
PE terminals with the same contour are available for the base terminals. These are simply snapped onto the support rail to establish a connection to ground potential.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH5000-0AF00, 8WH5000-0AF01	8WH5000-0CF07
Dimensions		
• Width/length/cover width in mm	5.2 / 48.5 / 2.2	5.2 / 48.5 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	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	--
• Rated impulse withstand voltage in kV / pollution degree	6 / 3	
• Overvoltage category / molded plastic 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	
Molded plastic type	PA	
• Flammability Class acc. to UL 94	V0	
Approval data (UL/cUL and CSA)		
• Rated voltage / rated current / conductor sizes		
- UL/cUL: in V/A / AWG	300 / 20 / --	-- / -- / --
		See page 5/8, section 8WH9 plugs
- CSA: in V/A / AWG	--	
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



Derating curve for 8WH5000-0AF00

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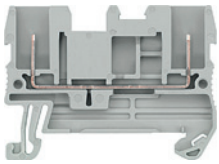
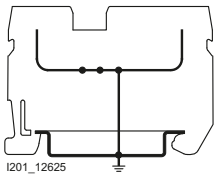
8WH5 through-type terminals

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH5000-0AF00	**Through-type terminals, terminal size 2.5 mm²** • Terminal width 5.2 mm • c UL us • IEC 61 984 - *I* = 24 A - *U* = 500 V						
	Versions						
	• Gray - Two clamping points		**8WH5000-0AF00**		1	50 units	1BT
	• Blue - Two clamping points		**8WH5000-0AF01**		1	50 units	1BT
	Note						
	On the terminal with four clamping points, the total current through all connected conductors must not exceed the max. load current.						
8WH5000-0CF07	**PE through-type terminals, terminal size 2.5 mm²** • Green/yellow • Terminal width 5.2 mm • c UL us • IEC 61 984						
	Versions						
	• Two clamping points		**8WH5000-0CF07**		1	50 units	1BT
 I201_12625 8WH5000-0CF07							
Accessories							
8WH9070-0AA00	**Compartment partitions, for terminal size 1.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick						
	Versions						
	• For two clamping points		**8WH9070-0AA00**		100	50 units	1BT
8WH9000-1GA00	**Covers, for terminal size 2.5 mm²** Gray						
	Versions						
	• Two clamping points		**8WH9000-1GA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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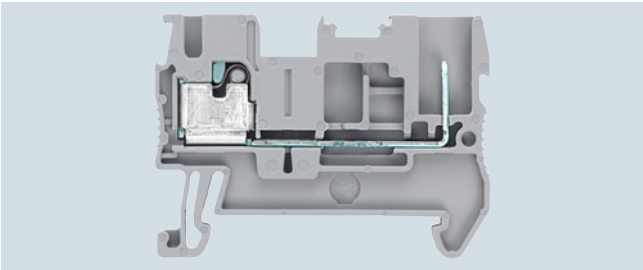
Overview



The 8WH5 hybrid through-type terminals with iPo connection provide a modular solution for fast, flexible wiring of plants and machines. They combine the advantages of the combination terminal system with those of the iPo terminals.

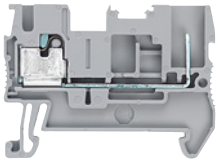
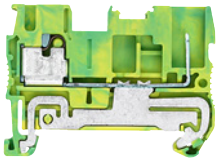
A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH5100-2PF00	8WH5100-3PF07
Dimensions • Width/length/cover width in mm • Height (TS 35/7.5 / TS 35/15) in mm	 5.2 / 48.5 / 2.2 36.5	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A[1] / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree	 24 500	 -- --
Connection capacity, 1 conductor • Rigid • Flexible with end sleeve without / with plastic sleeve in mm²	 0.14 ... 2.5 0.14 ... 2.5	
Molded plastic type • Flammability Class acc. to UL 94	 V0	
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 500 / 300 /26 ... 12 -- / --	
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Hybrid through-type terminals with iPo connection, terminal size 2.5 mm²							
 8WH5100-2PF00	**Hybrid through-type terminals, terminal size 2.5 mm²** • Gray • Terminal width 5.2 mm • Rated current / cross-section I_n = 24 A / 2.5 mm² • Rated voltage U_n = 500 V • Rigid 0.14 ... 4 mm² • Flexible with end sleeve 0.14 ... 2.5 mm² • Stripped length 10 mm		8WH5100-2PF00		1	50 units	1BT
 8WH5100-3PF07	**PE hybrid through-type terminals, terminal size 2.5 mm²** • Green/yellow • Terminal width 5.2 mm • Rigid 0.14 ... 4 mm² • Flexible with end sleeve 0.14 ... 2.5 mm² • Connection type: plug-in spring-loaded connection • Stripped length 10 mm		8WH5100-3PF07		1	50 units	1BT
Accessories							
8WH9070-0HA00	**Compartment partitions** For terminal size 1.5 ... 4 mm² and four clamping points		8WH9070-0HA00		100	50 units	1BT
8WH9000-1GA00	**Covers** For terminal size 2.5 mm² and two clamping points		8WH9000-1GA00		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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

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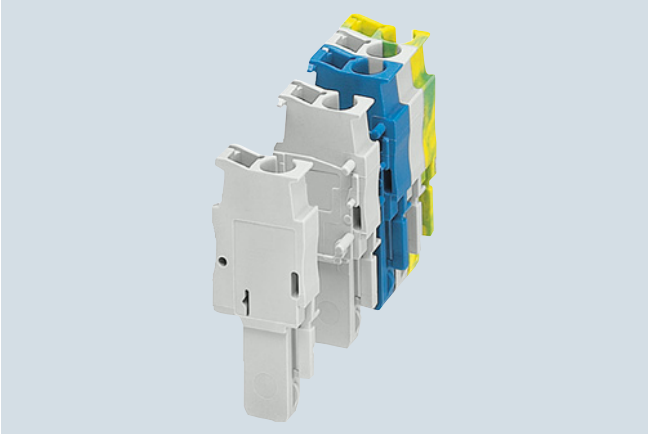
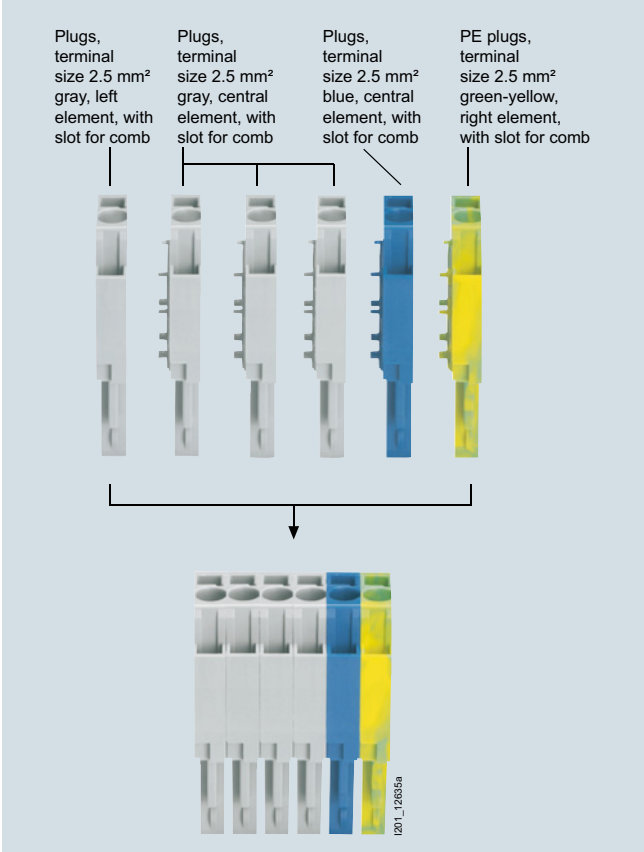
8WH9 plugs

Overview



Assembled by the user in-situ from single-pole plug elements, the combination plug-in terminals in kit form provide a customized solution for every task.
For the existing plugs with terminal sizes 2.5 mm² and 4 mm², and the plug with comb connection and terminal size 2.5 mm², single-pole basic versions in the colors gray, blue and green-yellow are available.
A left element at the begining of the plug and a right element at the end are needed for each multi-pole 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. Pliers may be needed to push them together. The right-hand component has an integrated cover, which covers the plug block. Labels enable flat inscription of the plugs.

Design



Example of a 6-pole plug

Technical specifications

	8WH9040-1AB00 8WH9040-1AB01 8WH9040-1BB00 8WH9040-1BB01 8WH9040-1CB00 8WH9040-1CB01 8WH9040-1DB00 8WH9040-1DB01 8WH9040-1EB00 8WH9040-1EB01 8WH9040-1FB00 8WH9040-1FB01	8WH9040-1AB07 8WH9040-1BB07 8WH9040-1CB07 8WH9040-1DB07 8WH9040-1EB07 8WH9040-1FB07	8WH9050-1KB00 8WH9050-1KB01 8WH9050-1LB00 8WH9050-1LB01 8WH9050-1MB00 8WH9050-1MB01	8WH9050-1KB07 8WH9050-1LB07 8WH9050-1MB07
Dimensions • Width/length/cover width in mm • Height (TS 35/7.5 / TS 35/15) in mm	 -- --			
Technical specifications acc. to IEC/DIN VDE • Max. load current in A[1] / cross-section in A / mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 24 / 4 6 / 3 III / I		 32 / 6 8 / 3	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm²	 0.25 ... 2.5 0.25 ... 2.5 0.5		 0.25 ... 4 0.25 ... 4 0.5 ... 1	
Stripped length	10			
Plug gauge (IEC 60947-1)	A3		A4	
Molded plastic type • Flammability Class acc. to UL 94	PA V0			
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 20 / 26 ... 12 --		 Applied for Applied for	
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"

[1] Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

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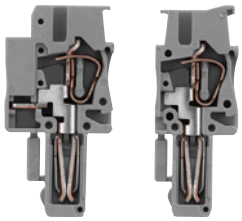
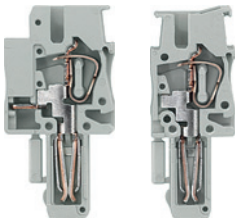
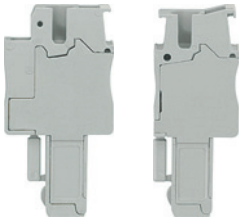
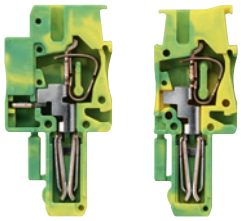
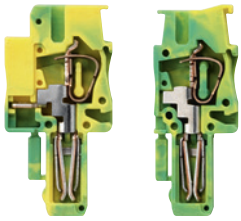
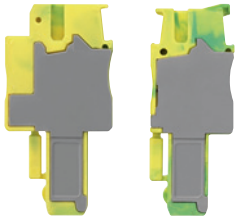
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH9040-1DB00 / -1AB00	**Plugs, terminal size 2.5 mm²** • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 24 A - *U* = 500 V • Number of poles = 1						
	Versions						
	• Gray						
	- Left element, with slot for comb		8WH9040-1DB00		1	50 units	1BT
	- Central element, with slot for comb		8WH9040-1EB00		1	50 units	1BT
	- Right element, with slot for comb		8WH9040-1FB00		1	50 units	1BT
 8WH9040-1EB00 / -1BB00	- Left element, without slot for comb		8WH9040-1AB00		1	50 units	1BT
	- Central element, without slot for comb		8WH9040-1BB00		1	50 units	1BT
	- Right element, without slot for comb		8WH9040-1CB00		1	50 units	1BT
	• Blue						
	- Left element, with slot for comb		8WH9040-1DB01		1	50 units	1BT
	- Central element, with slot for comb		8WH9040-1EB01		1	50 units	1BT
	- Right element, with slot for comb		8WH9040-1FB01		1	50 units	1BT
	- Left element, without slot for comb		8WH9040-1AB01		1	50 units	1BT
	- Central element, without slot for comb		8WH9040-1BB01		1	50 units	1BT
	- Right element, without slot for comb		8WH9040-1CB01		1	50 units	1BT
 8WH9040-1FB00 / -1CB00							
 8WH9040-1DB07 / -1AB07	**PE plugs, terminal size 2.5 mm²** • Green/yellow • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.08 ... 4 mm² - Flexible 0.08 ... 2.5 mm² - AWG 28-12 - *I* = 24 A - *U* = 500 V • Number of poles = 1						
	Versions						
 8WH9040-1EB07 / -1BB07	• Left element, with slot for comb		8WH9040-1DB07		1	50 units	1BT
	• Central element, with slot for comb		8WH9040-1EB07		1	50 units	1BT
	• Right element, with slot for comb		8WH9040-1FB07		1	50 units	1BT
	• Left element, without slot for comb		8WH9040-1AB07		1	50 units	1BT
	• Central element, without slot for comb		8WH9040-1BB07		1	50 units	1BT
	• Right element, without slot for comb		8WH9040-1CB07		1	50 units	1BT
 8WH9040-1FB07 / -1CB07							

* You can order this quantity or a multiple thereof.

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8WH9 plugs

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
8WH9050-2BA04	**Latches** Number of poles: 2 Versions						
	• With strain relief		**8WH9050-2BA04**		100	50 units	1BT
	• Without strain relief		**8WH9050-2AA04**		100	50 units	1BT
8WH9120-DB08	**Shielding** • For connection of shielded cables • For cables with 5 ... 10 mm diameter • Black		**8WH9120-0DB08**		1	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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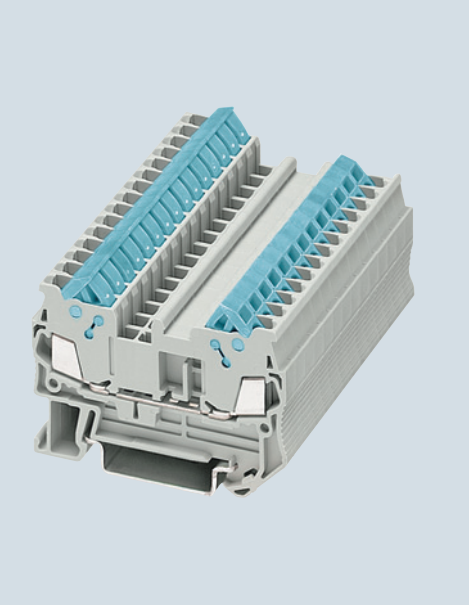
8WH3 Insulation Displacement Terminals



6/2	**Introduction**
6/5	**8WH through-type terminals**
6/9	**8WH two-tier terminals**
6/11	**8WH isolating terminals**

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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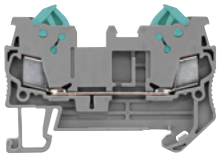
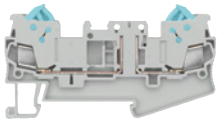
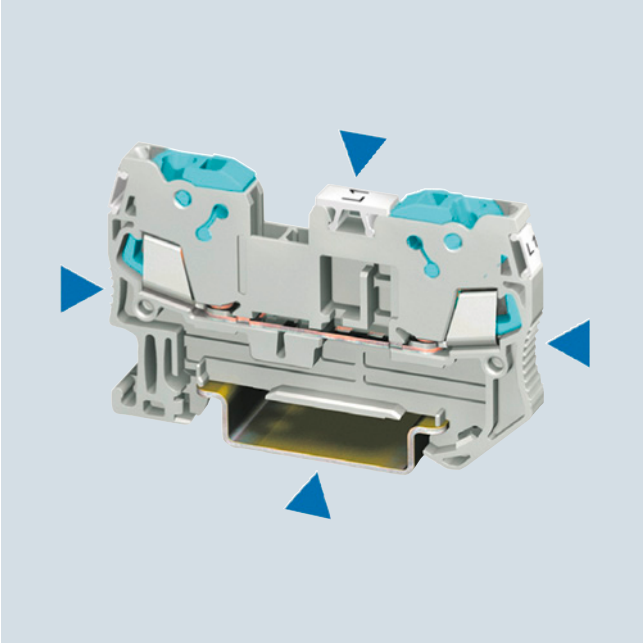
Overview

	Devices	Page	Function
	8WH through-type terminals	6/5	Connection up to 2.5 mm² of incoming and outgoing conductors
	8WH isolating terminals	6/11	Isolation of the circuit, e.g. for test purposes

1) Only the main terminal types are listed here. You will find further versions on the following pages.

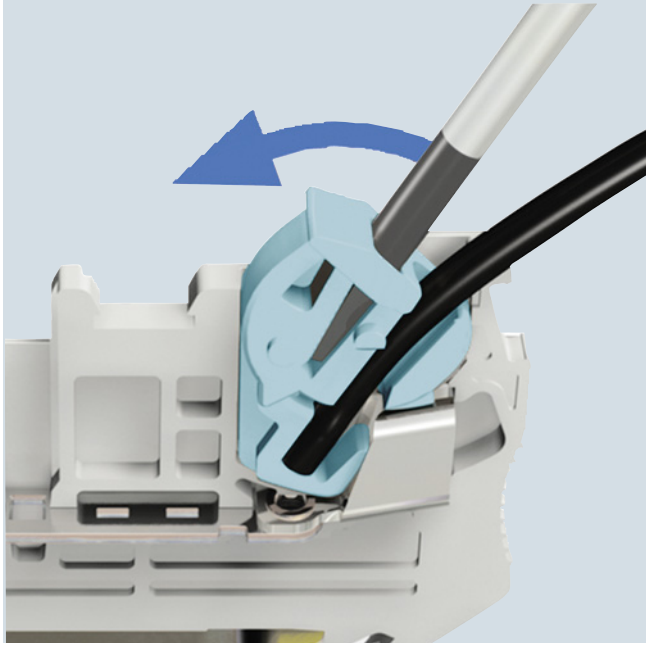
Features

		Terminal type →	Insulation displacement terminal				Article No. (digits 8 ... 12)
		Design →	Standard			Two-tier	
		No. of clamping points →	2	3	4	4	
		Article No. (digits 1 ... 7) →	8WH3000	8WH3003	8WH3004	8WH3020	
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
	PE	Green/yellow	✔	--	--	--	0CF07



A key feature of the insulation displacement series is 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



Time savings of 60 % and more compared to other connection systems.

With the quick-connect insulation displacement terminal system, there is no need to strip the insulation or protect the splice. The cables only need to be cut to length for contacting within seconds.

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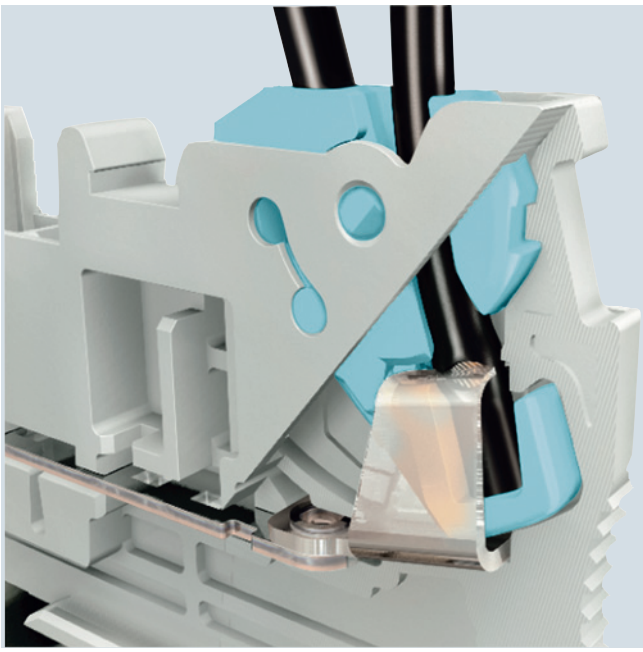
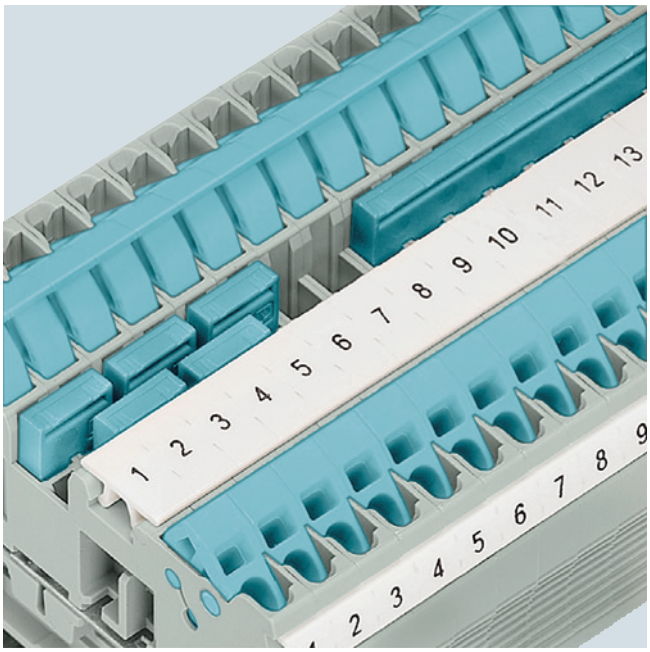
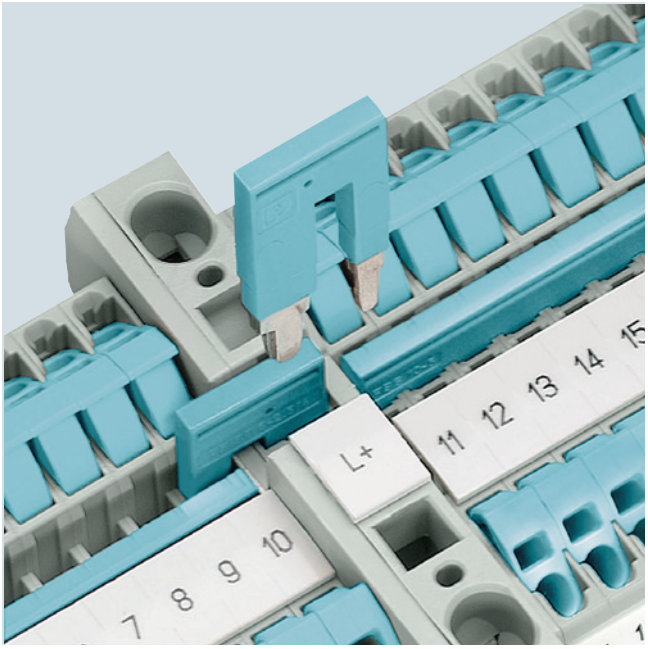


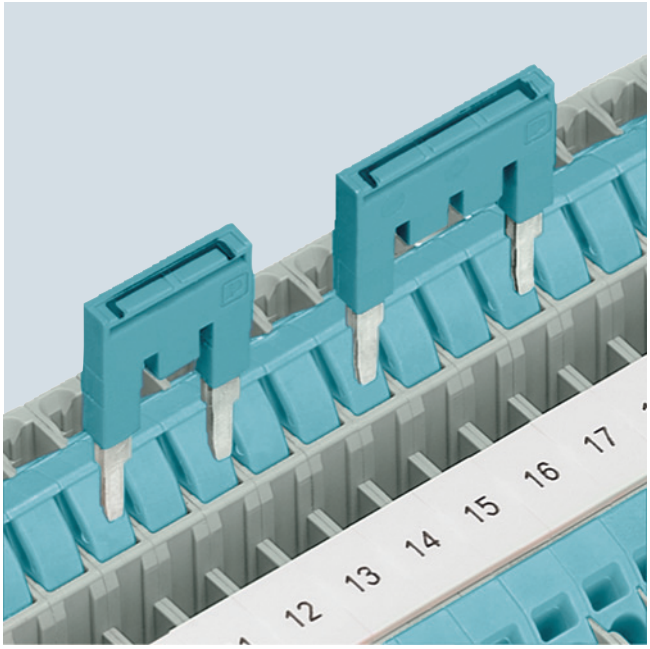
Conductor connections from 0.25 to 2.5 mm² are produced by the cutting contact. High-grade special alloys and latching of the switch states ensure reliable electrical connections at all times. Large, spring-loaded contact points ensure 24 A current load rating.



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 jumpers, which can help considerably to reduce the amount of wiring outlay.



When feeding in large cross-sections, the reducing comb enables time and cost-saving distribution of the potential. For example, it can link a 10 mm² spring-loaded through-type terminal to a 1.5 mm² insulation displacement through-type terminal and two clamping points – or to a 2.5 mm² insulation displacement through-type terminal and two clamping points.



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 provided on the top of the connecting comb.

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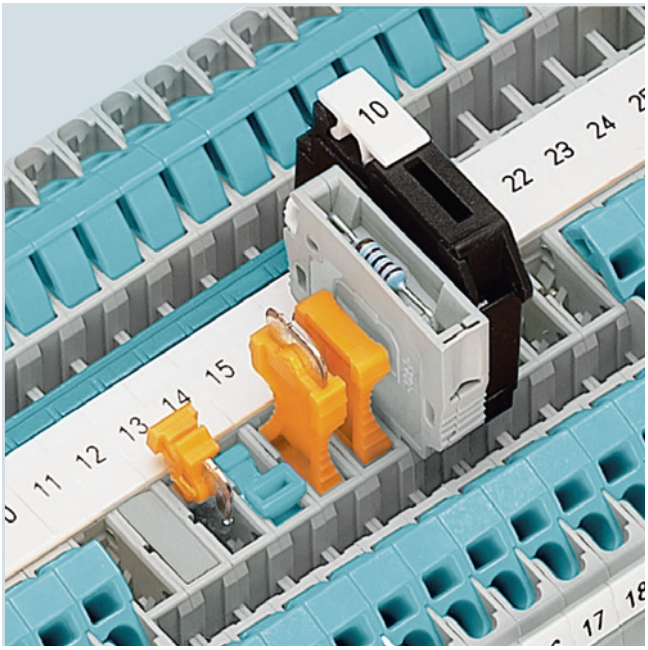
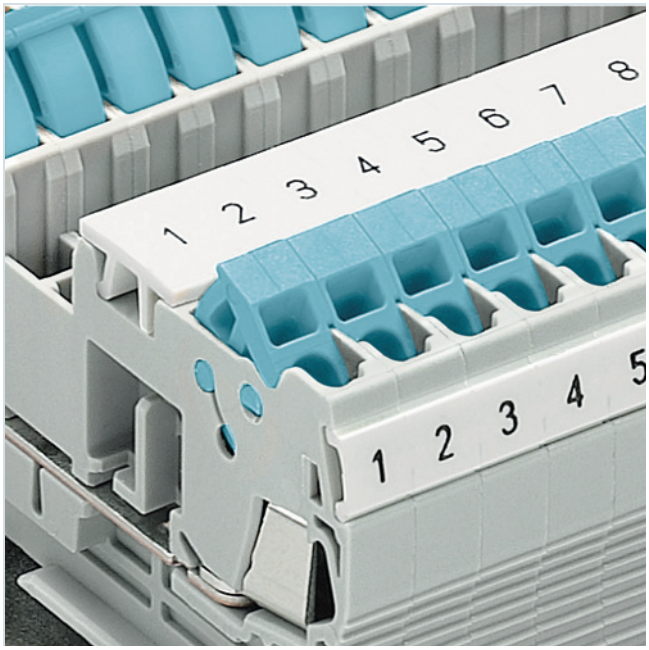
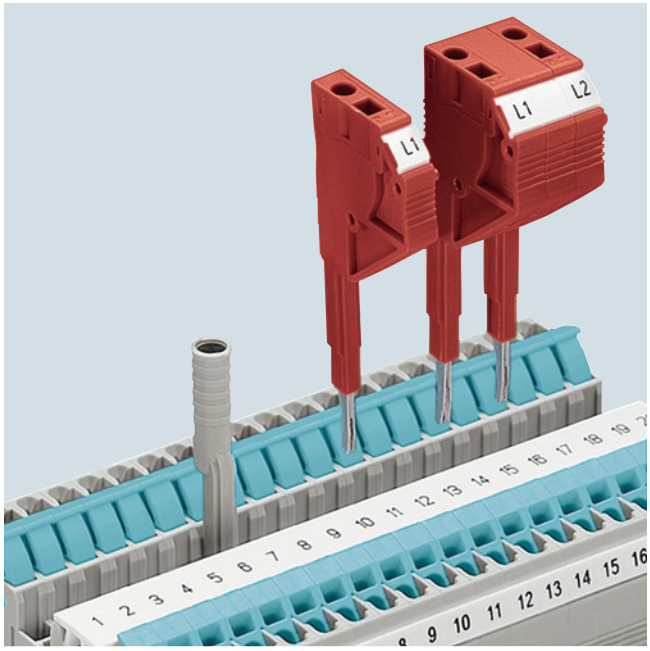
Introduction



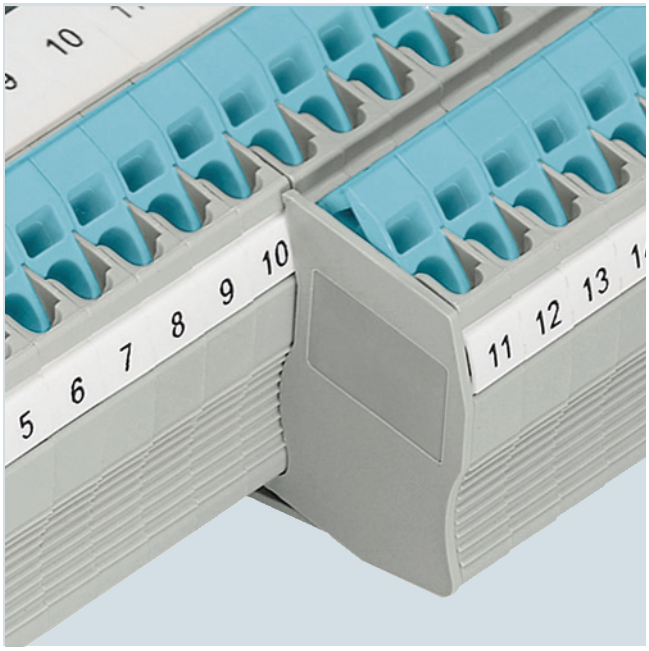
The universal plug-in zone of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.



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 also be labeled separately.



Test adapters are available for Ø 4 mm test and safety test plugs. Test plugs can be individually assembled, thanks to the modular design of the test plugs. Measuring leads can be connected over a 1.5 mm² spring-loaded/insulation displacement 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.

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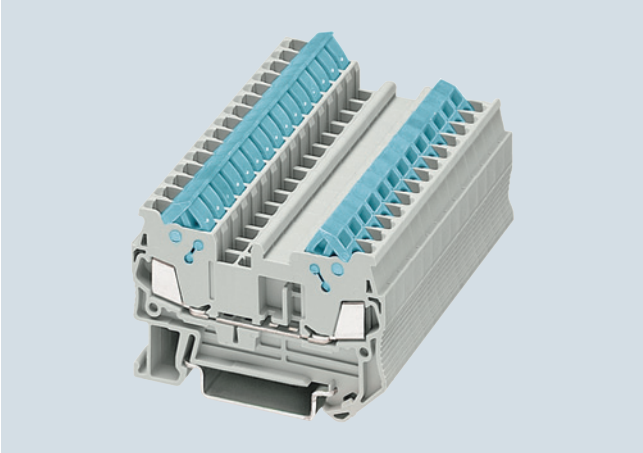
Overview



A key feature of the insulation displacement through-type terminal is its compact design. With its clear and space-saving front connection arrangement, this insulation displacement series provides additional space between the cable ducts for wiring. Using the double bridge shaft, it is also possible to use individual chain bridging, as well as a reducing comb, e.g. from a 2.5 mm² tension spring through-type terminal to a 35 mm² tension spring through-type terminal. Used in this way, reducing combs enable the quick and easy assembly of potential incoming feeders and distributors.

A label can be snapped on to the middle of the terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH3000-0AE00 8WH3000-0AE01	8WH3003-0AE00 8WH3003-0AE01	8WH3004-0AE00 8WH3004-0AE01	8WH3000-0CE07	8WH3003-0CE07
Dimensions • Width/length/cover width in mm • Height (TS 35/7.5 / TS 35/15) in mm	5.2 / 58.8 / 2.2 39.3 / 46.8	5.2 / 76.4 / 2.2	5.2 / 94 / 2.2	5.2 / 58.8 / 2.2	5.2 / 76.4 / 2.2
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	17.5 / 1.5 8 / 3 III / I			--	
Conductor cross-section acc. to DIN VDE 0295 • Core insulation • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² • Finely stranded / very finely stranded - (Strand Ø ≥ 0.1 mm) in mm² - (Strand Ø ≥ 0.19 mm) AWG	PVC / PE (other insulation types on request) 0.5 ... 1.0 / 1.5 0.5 ... 1.0 / 1.5 0.25 ... 0.34 24-16				
Number of circuits • At least 100x the same cross-section in mm²	0.25 ... 1.5				
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	600 / 10 / 24-16 --			-- / -- / 24-16	
Support rails/protective conductor busbars	--			See page 1/3, section "Support rails"	

	8WH3004-0CE07	8WH3000-0AF00 8WH3000-0AF01	8WH3003-0AF00 8WH3003-AF01	8WH3000-0CF07	8WH3003-0CF07
Dimensions • Width/length/cover width in mm • Height (TS 35/7.5 / TS 35/15) in mm	5.2 / 94 / 2.2 39.3 / 46.8	6.2 / 62.6 / 2.2	6.2 / 82.5 / 2.2 42.8 / 50.3	6.2 / 62.6 / 2.2 39.3 / 46.8	6.2 / 82.5 / 2.2 42.8 / 50.3
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	-- 8 / 3 III / I	24 / 2.5		--	
Conductor cross-section acc. to DIN VDE 0295 • Core insulation • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² • Finely stranded / very finely stranded - (Strand Ø ≥ 0.1 mm) in mm² - (Strand Ø ≥ 0.19 mm) AWG	PVC / PE (other insulation types on request) 0.5 ... 1.0 / 1.5 0.5 ... 1.0 / 1.5 0.25 ... 0.34 24-16	0.5 ... 1.5 / 1.5 ... 2.5 0.5 ... 1.5 / 1.5 ... 2.5 -- 20-14			
Number of circuits • At least 100x the same cross-section in mm²	0.25 ... 1.5	0.5 ... 2.5			
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	-- / -- / 24-16 --	Applied for Applied for			
Support rails/protective conductor busbars	See page 1/3, section "Support rails"	--		See page 1/3, section "Support rails"	

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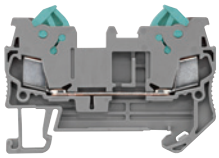
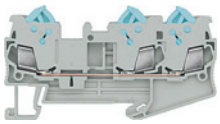
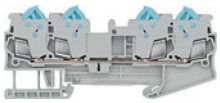
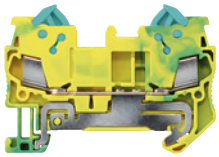
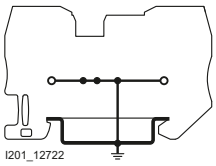
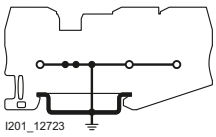
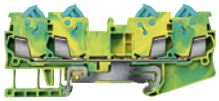
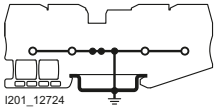
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 1.5 mm²							
 8WH3000-0AE00	**Through-type terminals, terminal size 1.5 mm²** • Terminal width 5.2 mm • Connection data - 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*						
 8WH3003-0AE00	Versions						
	• Gray						
	- Two clamping points		**8WH3000-0AE00**		1	50 units	1BT
	- Three clamping points		**8WH3003-0AE00**		1	50 units	1BT
	- Four clamping points		**8WH3004-0AE00**		1	50 units	1BT
	• Blue						
	- Two clamping points		**8WH3000-0AE01**		1	50 units	1BT
	- Three clamping points		**8WH3003-0AE01**		1	50 units	1BT
	- Four clamping points		**8WH3004-0AE01**		1	50 units	1BT
 8WH3004-0AE00	Note On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current.						
 8WH3000-0CE07	**PE through-type terminals, terminal size 1.5 mm²** • Green/yellow • Terminal width 5.2 mm • Connection data - Rigid 0.25 ... 1.5 mm² - Flexible 0.25 ... 1.5 mm² - AWG 24-16 • More information under *Technical specifications*						
	Versions						
	• Two clamping points		**8WH3000-0CE07**		1	50 units	1BT
	• Three clamping points		**8WH3003-0CE07**		1	50 units	1BT
	• Four clamping points		**8WH3004-0CE07**		1	50 units	1BT
 I201_12722 8WH3000-0CE07							
8WH3003-0CE07							
 I201_12723 8WH3003-0CE07							
 8WH3004-0CE07							
 I201_12724 8WH3004-0CE07							

* You can order this quantity or a multiple thereof.

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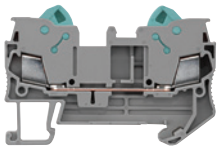
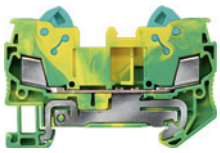
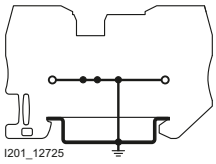
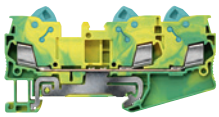
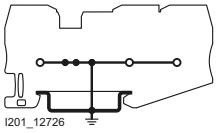
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH3000-0AF00	**Through-type terminals, terminal size 2.5 mm²** • Terminal width 6.2 mm • Connection data - Rigid 0.5 ... 2.5 mm² - Flexible 0.5 ... 2.5 mm² - AWG 20-14 - I = 24 A - U = 800 V						
8WH3003-0AF00	Versions						
	• Gray						
	- Two clamping points		**8WH3000-0AF00**		1	50 units	1BT
	- Three clamping points		**8WH3003-0AF00**		1	50 units	1BT
	• Blue						
	- Two clamping points		**8WH3000-0AF01**		1	50 units	1BT
	- Three clamping points		**8WH3003-0AF01**		1	50 units	1BT
	Note						
	On terminals with three clamping points, the total current through all connected conductors must not exceed the max. load current.						
 8WH3000-0CF07	**PE through-type terminals, terminal size 2.5 mm²** • Green/yellow • Terminal width 6.2 mm • Connection data - Rigid 0.5 ... 2.5 mm² - Flexible 0.5 ... 2.5 mm² - AWG 20-14						
	Versions						
	• Two clamping points		**8WH3000-0CF07**		1	50 units	1BT
	• Three clamping points		**8WH3003-0CF07**		1	50 units	1BT
 I201_12725 8WH3000-0CF07							
 8WH3003-0CF07							
 I201_12726 8WH3003-0CF07							

* You can order this quantity or a multiple thereof.

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8WH through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
8WH9070-0JA00	**Compartment partitions, for terminal size 1.5 ... 2.5 mm²** • For visual and electrical separation of terminal groups • 2 mm thick						
	Versions						
	• Two clamping points		**8WH9070-0JA00**		100	50 units	1BT
	• Three clamping points		**8WH9070-0KA00**		100	50 units	1BT
8WH9070-0LA00	**Compartment partitions, for terminal size 1.5 mm² and four connection points**		**8WH9070-0LA00**		100	50 units	1BT
8WH9001-1AA00	**Covers, for terminal size 1.5 mm²** Gray						
	Versions						
	• Two clamping points		**8WH9001-1AA00**		100	50 units	1BT
	• Three clamping points		**8WH9001-2AA00**		100	50 units	1BT
	• Four clamping points		**8WH9001-4AA00**		100	50 units	1BT
8WH9000-1AA00	**Covers, for terminal size 2.5 mm²** Gray						
	Versions						
	• Two clamping points		**8WH9000-1AA00**		100	50 units	1BT
	• Three clamping points		**8WH9000-2AA00**		100	50 units	1BT
8WH9001-0AA00	**Cover segments, for three or four clamping points** • Gray • For covering multi-wire terminals when mounting two-wire terminals side-by-side						
	Versions						
	• For terminal size 2.5 mm²		**8WH9000-0AA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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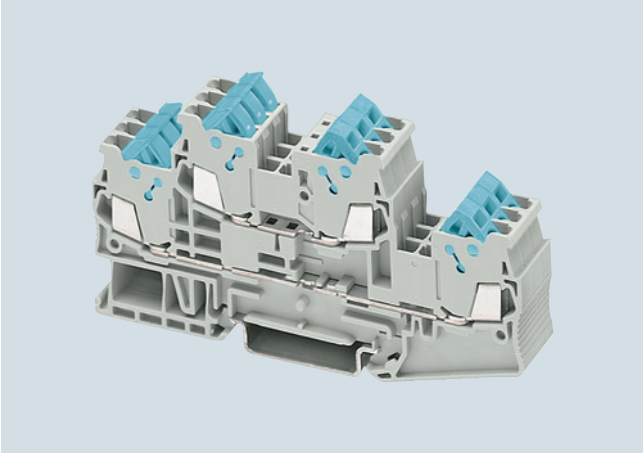
Overview



Key features of the IDC two-tier terminals for terminal size 1.5 mm² are their ultra compact design and the double bridge shaft for each 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 range meets all the requirements of IEC 60 947-7-2.

These include:

- Low contact resistance
- Stainless clamping points and PE mounting foot
- Green-yellow enclosure and
- Additional inscription options

The clamping points of two-tier terminals can be inscribed with flat labels.

Technical specifications

	8WH3020-0AE00 8WH3020-0AE01	8WH3020-0CE07
Dimensions • Width/length/cover width in mm • Height (TS 35/7.5 / TS 35/15) in mm	 5.2 / 99.6 / 2.2 49.9 / 57.4	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 17.5 / 1.5 6 / 3 III / I	 --
Conductor cross-section acc. to DIN VDE 0295 • Core insulation • Solid/finely stranded H05V-U/R/K / H07V-U/R/K in mm² • Halogen-free H05Z-U/R/K / H07Z-U/R/K in mm² • Finely stranded / very finely stranded - (Strand Ø ≥ 0.1 mm) in mm² - (Strand Ø ≥ 0.19 mm) AWG	 PVC / PE (other insulation types on request) 0.4 ... 1.0 / 1.5 0.5 ... 1.0 / 1.5 0.25 ... 0.34 24-16	
Number of circuits • At least 100x the same cross-section in mm²	 0.25 ... 1.5	
Molded plastic type • Flammability Class acc. to UL 94	PA V0	
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 10 / 24-16 --	 -- / -- / 24-16
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"

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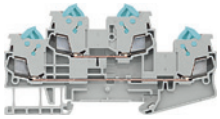
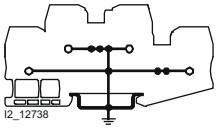
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 1.5 mm²							
 8WH3020-0AE00	**Two-tier terminals, terminal size 1.5 mm²** • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.25 ... 1.5 mm² - Flexible 0.25 ... 1.5 - AWG 24-16 - *I* = 17.5 A - *U* = 500 V • More information under *Technical specifications*						
	Versions						
	• Gray		**8WH3020-0AE00**		1	50 units	1BT
	• Blue		**8WH3020-0AE01**		1	50 units	1BT
8WH3020-0CE07	**PE two-tier terminals, terminal size 1.5 mm²** • Green/yellow • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.25 ... 1.5 mm² - Flexible 0.25 ... 1.5 - AWG 24-16 • More information under *Technical specifications*		**8WH3020-0CE07**		1	50 units	1BT
 8WH3020-0CE07							
Accessories							
8WH9070-0MA00	**Compartment partitions, for terminal size 1.5 mm²**		**8WH9070-0MA00**		100	50 units	1BT
8WH9001-1BA00	**Covers, for terminal size 1.5 mm²**		**8WH9001-1BA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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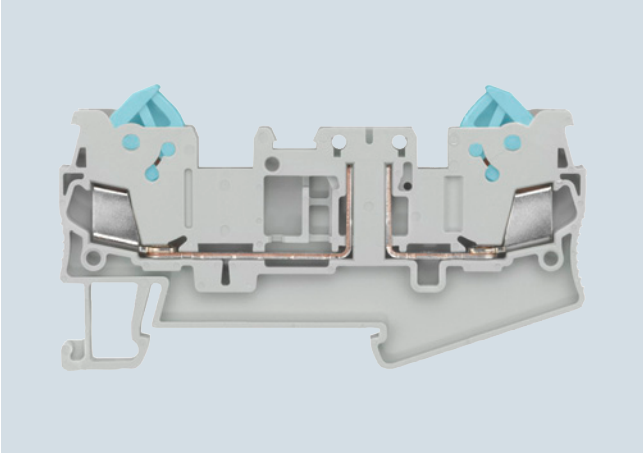
Overview



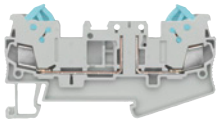
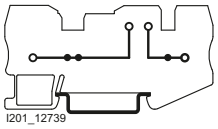
8WH3 isolating terminals using insulation displacement technology are available for special wiring tasks. Numerous wiring tasks can be performed on a terminal width of 5.2 mm by integrating the isolated through-type connector, the isolating plug, the component connector or the fused plug.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

Technical specifications

	8WH3000-6AE00	8WH3000-6AF00
Dimensions		
• Width/length/cover width 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 / molded plastic 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 Ø ≥ 0.1 mm) in mm²	0.25 ... 0.34	--
- (Strand Ø ≥ 0.19 mm) AWG	24-16	20-14
Number of circuits		
• At least 100x the same cross-section in mm²	0.25 ... 1.5	0.5 ... 2.5
Molded plastic type	PA	
• Flammability Class acc. to UL 94	V0	
Approval data (UL/cUL and CSA)		
• Rated voltage / rated current / conductor sizes		
- UL/cUL: in V/A / AWG	600 / 10 / 24-16	Applied for
- CSA: in V/A / AWG	600 / 10 / 24-16	Applied for

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 1.5 mm²							
 8WH3000-6AE00	**Isolating terminals, terminal size 1.5 mm²** • Gray • Terminal width 5.2 mm • c UL us • Connection data - Rigid 0.25 ... 1.5 mm² - Flexible 0.25 ... 1.5 mm² - AWG 24-16 - *I* = 16 A - *U* = 400 V - Current and voltage are determined by the fitted plug • For further information see Technical specifications		8WH3000-6AE00		1	50 units	1BT
 I201_12739 8WH3000-6AE00							

* You can order this quantity or a multiple thereof.

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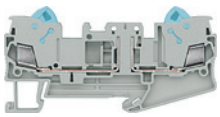
8WH isolating terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH3000-6AF00	**Isolating terminals, terminal size 2.5 mm²** • Gray • Terminal width 6.2 mm • Connection data - Rigid 0.5 ... 2.5 mm² - Flexible 0.5 ... 2.5 mm² - AWG 20-14 - I = 16 A - U = 400 V - Current and voltage are determined by the fitted plug • More information under *Technical specifications*		**8WH3000-6AF00**		1	50 units	1BT
Accessories							
8WH9070-0KA00	**Compartment partitions, for terminal size 1.5 ... 2.5 mm² and three clamping points**		**8WH9070-0KA00**		100	50 units	1BT
8WH9001-2AA00	**Covers**						
	Versions						
	• For terminal size 1.5 mm² and three clamping points		**8WH9001-2AA00**		100	50 units	1BT
	• For terminal size 2.5 mm² and three clamping points		**8WH9000-2AA00**		100	50 units	1BT
8WH9001-0AA00	**Cover segments**						
	Versions						
	• For terminal size 1.5 mm² and three or four clamping points		**8WH9001-0AA00**		100	50 units	1BT
	• For terminal size 2.5 mm² and three or four clamping points		**8WH9000-0AA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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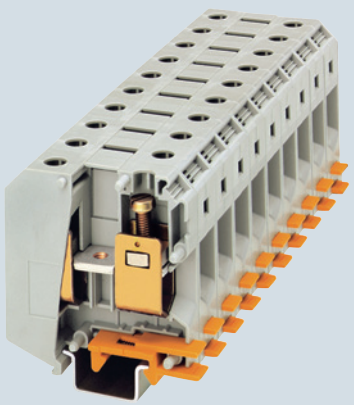
8WH1 Screw Terminals



7/2	**Introduction**
7/3	**General data on 8WH**
7/4	**8WH through-type terminals[1)]**
7/8	**8WH fuse terminals**
7/10	**8WH isolating blade terminals**
7/11	**8WH isolating terminals**
7/12	**8WH two-tier terminals[1)]**
7/15	**8WH two-tier terminals with isolating function/isolating blade**
7/17	**8WH measuring transformer terminals**
7/20	**8WH diode terminals**
7/21	**8WH two-tier diode terminals**
7/24	**8WH high-current terminals[1)]**
7/28	**8WH shield terminals**

[1)] Also available as a PE version

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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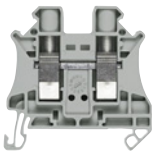
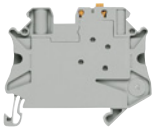
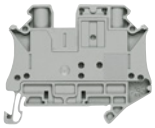
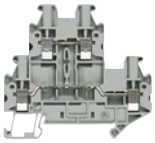
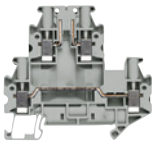
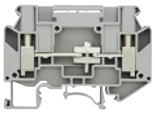
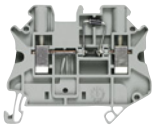
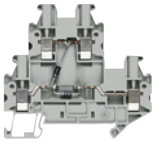
Overview

	Devices	Page	Function
	Through-type terminals	7/4	Connection of incoming and outgoing conductors up to 35 mm^2
	Fuse terminals	7/8	Terminals which can be used to protect control circuits, for example
	Isolating blade terminals	7/10	Isolation of the circuit, e.g. for test purposes
	Isolating terminals	7/11	Isolation of the circuit, e.g. for test purposes
	Two-tier terminals	7/12	Compact form of the terminal block in which two connection wires can be installed
	Two-tier terminals with isolating function	7/15	Compact form of the terminal block in which two connection wires can be installed
	Measuring transformer terminals NEW	7/17	Measuring transformer terminals permit clear and simple tests
	Diode terminals	7/20	Terminal blocks with integrated diodes
	Two-tier diode terminals	7/21	Terminal blocks with integrated diodes
	8WH high-current terminals	7/24	Connection of incoming and outgoing cables from 50 to 240 mm^2
	8WH shield terminals	7/28	Terminals for connection of shielded cables

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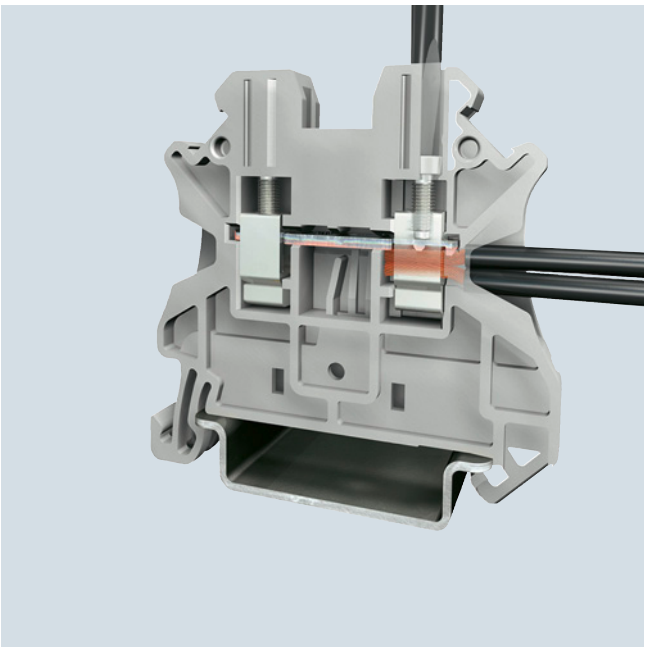
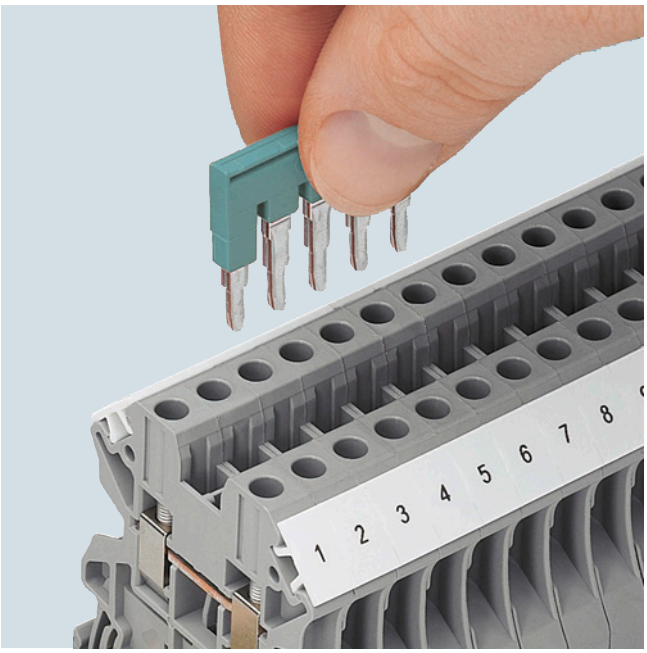
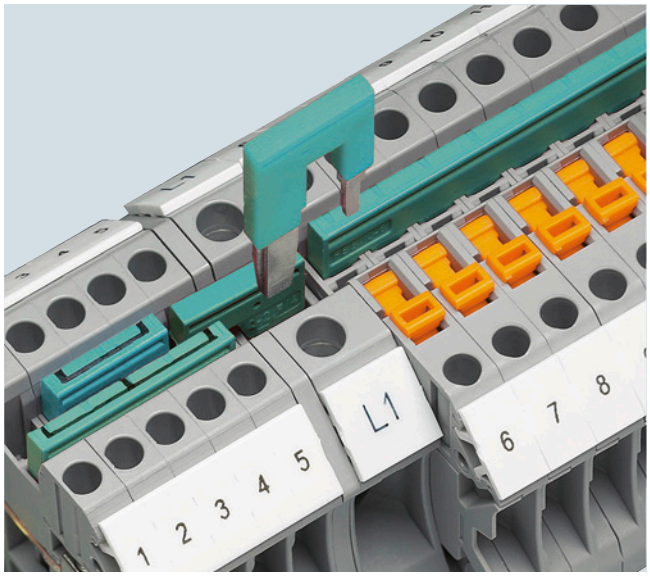
Overview



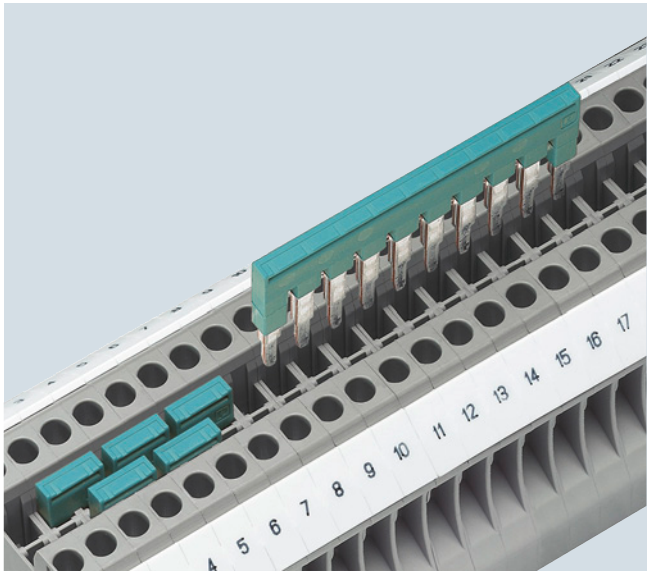
The screw terminal is characterized by its global standard, multi-conductor connection and maintenance-free design.



The potential distribution can be quickly implemented with the standardized connecting combs. Flexible chain bridging, level bridging, or skipping of several terminals are possible through two or more bridge shafts in all the terminals.



Reducing combs enable easy connection of terminals with various nominal cross-sections and terminal designs. Reducing combs can be used for the quick assembly of infeed blocks.



The double bridge shaft enables an assembly of any number of terminals with two-pole jumpers. The 2-pole to 50-pole jumpers enable up to 50 terminals to be connected in a single step.

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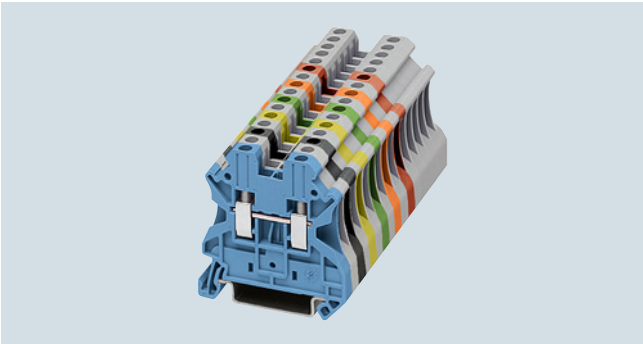
8WH through-type terminals

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 shaft enables individual chain bridging by means of standard connecting combs. Corresponding accessories are available for testing and labeling. Secure electrical and mechanical contact with the support rail is established by simply snapping the terminals onto the rail.

The individual clamping points can be inscribed at the front using the labels.

Technical specifications

	8WH1000-0AF0.	8WH1000-0AG0.	8WH1000-0AH0.	8WH1000-0AJ0.	8WH1000-0AK0.	8WH1000-0AM0.
Dimensions						
• Width/length/cover width 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 / molded plastic 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
Tightening torque in Nm	0.6 ... 0.8		1.5 ... 1.8		2.5 ... 3.0	3.2 ... 3.7
Molded plastic type	PA					
• Flammability Class acc. to UL 94	V0					
Approval data (UL/cUL and CSA)						
• Rated voltage / rated current / conductor 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

	8WH1000-0CF07	8WH1000-0CG07	8WH1000-0CH07	8WH1000-0CJ07	8WH1000-0CK07	8WH1000-0CM07
Dimensions						
• Width/length/cover width 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	-- / 4	-- /6	-- /10	-- /16	101 / 25	125 / 35
• Rated impulse withstand voltage in kV / pollution degree	8 kV / 3					
• Overvoltage category / molded plastic 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
Tightening torque in Nm	0.6 ... 0.8		1.6 ... 1.8	1.5 ... 1.8	2.5 ... 3.0	3.2 ... 3.7
Molded plastic type	PA					
• Flammability Class acc. to UL 94	V0					
Approval data (UL/cUL and CSA)						
• Rated voltage / rated current / conductor 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

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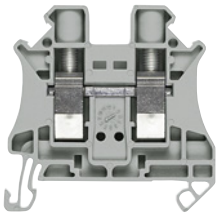
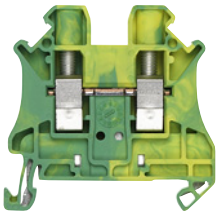
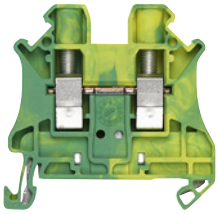
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH1000-0AF00	**Through-type terminals, terminal size 2.5 mm²** • c UL us, CE • Terminal width 5.2 mm • I_{max} = 32 A • U_{max} = 1000 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						
	• Gray		**8WH1000-0AF00**		1	50 units	1BT
	• Blue		**8WH1000-0AF01**		1	50 units	1BT
	• Red		**8WH1000-0AF02**		1	50 units	1BT
	• Black		**8WH1000-0AF08**		1	50 units	1BT
	• Yellow		**8WH1000-0AF06**		1	50 units	1BT
	• Green		**8WH1000-0AF03**		1	50 units	1BT
	• Orange		**8WH1000-0AF04**		1	50 units	1BT
 8WH1000-0CF07	**PE through-type terminals, terminal size 2.5 mm²** • c UL us, CE • 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		**8WH1000-0CF07**		1	50 units	1BT
Terminal size 4 mm²							
8WH1000-0AG00	**Through-type terminals, terminal size 4 mm²** • c UL us, CE • Terminal width 6.2 mm • I_{max} = 41 A • U_{max} = 1000 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm²						
	Versions						
	• Gray		**8WH1000-0AG00**		1	50 units	1BT
	• Blue		**8WH1000-0AG01**		1	50 units	1BT
	• Red		**8WH1000-0AG02**		1	50 units	1BT
	• Black		**8WH1000-0AG08**		1	50 units	1BT
	• Orange		**8WH1000-0AG04**		1	50 units	1BT
 8WH1000-0CG07	**PE through-type terminals, terminal size 4 mm²** • c UL us, CE • Terminal width 6.2 mm • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm² • Green/yellow		**8WH1000-0CG07**		1	50 units	1BT

7

* You can order this quantity or a multiple thereof.

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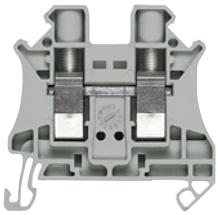
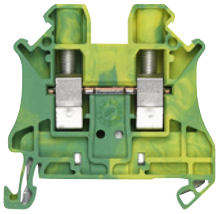
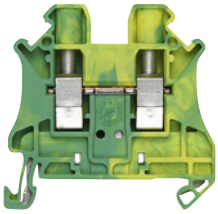
8WH through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 6 mm²							
 8WH1000-0AH00	**Through-type terminals, terminal size 6 mm²** • c UL us, CE • Terminal width 8.2 mm • I_{max} = 57 A • U_{max} = 1000 V • AWG 24 ... 8 • Connection capacity, one conductor - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm²						
	Versions						
	• Gray		8WH1000-0AH00		1	50 units	1BT
	• Blue		8WH1000-0AH01		1	50 units	1BT
	• Red		8WH1000-0AH02		1	50 units	1BT
	• Black		8WH1000-0AH08		1	50 units	1BT
 8WH1000-0CH07	**PE through-type terminals, terminal size 6 mm²** • c UL us, CE • Terminal width 8.2 mm • AWG 24 ... 8 • Connection capacity, one conductor - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm² • Green/yellow		8WH1000-0CH07		1	50 units	1BT
Terminal size 10 mm²							
8WH1000-0AJ00	**Through-type terminals, terminal size 10 mm²** • c UL us, CE • Terminal width 10.2 mm • I_{max} = 76 A • U_{max} = 1000 V • AWG 20-6 • Connection capacity, one conductor - Rigid 0.5 ... 16 mm² - Flexible 0.5 ... 16 mm² • Connection capacity, two conductors - Rigid 0.5 ... 4 mm² - Flexible 0.5 ... 4 mm²						
	Versions						
	• Gray		8WH1000-0AJ00		1	50 units	1BT
	• Blue		8WH1000-0AJ01		1	50 units	1BT
 8WH1000-0CJ07	**PE through-type terminals, terminal size 10 mm²** • c UL us, CE • Terminal width 10.2 mm • AWG 20-6 • Connection capacity, one conductor - Rigid 0.5 ... 16 mm² - Flexible 0.5 ... 16 mm² • Connection capacity, two conductors - Rigid 0.5 ... 4 mm² - Flexible 0.5 ... 4 mm² • Green/yellow		8WH1000-0CJ07		1	50 units	1BT
Terminal size 16 mm²							
8WH1000-0AK00	**Through-type terminals, terminal size 16 mm²** • c UL us, CE • Terminal width 12.2 mm • I_{max} = 101 A • U_{max} = 1000 V • AWG 16-4 • Connection capacity, one conductor - Rigid 1.5 ... 25 mm² - Flexible 1.5 ... 25 mm² • Connection capacity, two conductors - Rigid 1 ... 6 mm² - Flexible 1 ... 6 mm²						
	Versions						
	• Gray		8WH1000-0AK00		1	50 units	1BT
	• Blue		8WH1000-0AK01		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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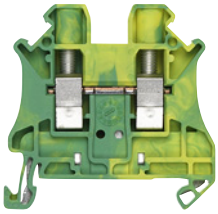
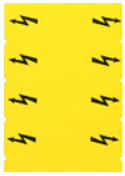
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH1000-0CK07	**PE through-type terminals, terminal size 16 mm²** • c UL us, CE • Terminal width 12.2 mm • AWG 16-4 • Connection capacity, one conductor - Rigid 1.5 ... 25 mm² - Flexible 1.5 ... 25 mm² • Connection capacity, two conductors - Rigid 1 ... 6 mm² - Flexible 1 ... 6 mm² • Green/yellow		8WH1000-0CK07		1	50 units	1BT
Terminal size 35 mm²							
8WH1000-0AM00	**Through-type terminals, terminal size 35 mm²** • c UL us, CE • Terminal width 16 mm • I_{max} = 150 A • U_{max} = 1000 V • AWG 16-1/0 • Connection capacity, one conductor - Rigid 1.5 ... 50 mm² - Flexible 1.5 ... 50 mm² • Connection capacity, two conductors - Rigid 1.5 ... 16 mm² - Flexible 1.5 ... 10 mm² • Enclosed at both ends						
	Versions						
	• Gray		8WH1000-0AM00		1	50 units	1BT
	• Blue		8WH1000-0AM01		1	50 units	1BT
8WH1000-0CM07	**PE through-type terminals, terminal size 35 mm²** • c UL us, CE • Terminal width 16 mm • AWG 16-2 • Connection capacity, one conductor - Rigid 1.5 ... 35 mm² - Flexible 1.5 ... 35 mm² • Connection capacity, two conductors - Rigid 1.5 ... 16 mm² - Flexible 1.5 ... 10 mm² • Enclosed at both ends • Green/yellow		8WH1000-0CM07		1	50 units	1BT
Accessories							
8WH9000-1PA00	**Covers, for through-type terminals** • 2.2 mm wide • Gray						
	Versions						
	• For terminal size 2.5 ... 10 mm²		8WH9000-1PA00		100	50 units	1BT
	• For terminal size 16 mm²		8WH9076-1PA00		100	50 units	1BT
8WH9002-8AC10	**Reducing combs, for connecting terminals, for 8WH1**						
	Versions						
	• From terminal size 6 mm² to 2.5 or 4 mm²						
	- From screw to screw		8WH9002-8AC10		1	10 units	1BT
	- From screw to spring		8WH9002-8BC10		1	10 units	1BT
	• From terminal size 10 mm² to 2.5 or 4 mm²						
	- From screw to screw		8WH9002-8CC10		1	10 units	1BT
	- From screw to spring		8WH9002-8DC10		1	10 units	1BT
	• From terminal size 16 mm² to 2.5 or 4 mm²						
	- From screw to screw		8WH9002-8EC10		1	10 units	1BT
	- From screw to spring		8WH9002-8FC10		1	10 units	1BT
	• From terminal size 35 mm² to 2.5 or 4 mm²						
	- From screw to screw		8WH9002-8GC10		1	10 units	1BT
	- From screw to spring		8WH9002-8HC10		1	10 units	1BT
	Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm², for 8WH1 • For visual and electrical separation of terminal groups • 2 mm thick		8WH9070-6BA00		100	50 units	1BT
 8WH9066-5BA06	**Warning covers, for 8WH1** • Lightning symbol, yellow						
	Versions						
	• For terminal size 2.5 mm², width 5.2 mm		8WH9060-5BA06		100	50 units	1BT
	• For terminal size 4 mm², width 6.2 mm		8WH9063-5BA06		100	50 units	1BT
	• For terminal size 6 mm², width 8.2 mm		8WH9064-5BA06		100	50 units	1BT
	• For terminal size 10 mm², width 10.2 mm		8WH9065-5BA06		100	50 units	1BT
	• For terminal size 16 mm², width 12.2 mm		8WH9066-5BA06		100	50 units	1BT
	• For terminal size 35 mm², width 16 mm		8WH9067-5BA06		100	50 units	1BT

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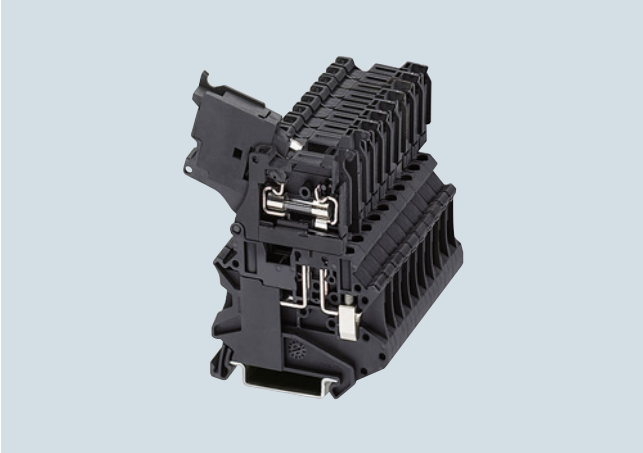
Overview



The 8WH fuse terminals adopt the function of the fuse holders for 5 × 20 mm and 6.3 × 32 mm G fuse links and all potential distribution tasks with the double bridge shaft.

The individual clamping points can be inscribed at the front using labels.

Technical specifications

	8WH1000-1GG08	8WH1000-1KG38	8WH1000-1MG88	8WH1000-1HH08	8WH1000-1PH38
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 6.2 / 57.8 / -- 73 / 80.5			 8.2 / 57.8 / --	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A[1] / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1 • Overvoltage category / molded plastic group	 6.3 / 6 6 kV / 3 500 III / I	 4 kV / 3		 10 / 10 8 kV / 3 630	 6 kV / 3
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm² • Rigid in mm²	 0.25 ... 4 0.25 ... 4 0.5 ... 2.5 0.14 ... 6			 0.25 ... 6 0.25 ... 6 0.5 ... 4 0.2 ... 10	
Stripped length in mm	9			10	
Tightening torque in Nm	0.6 ... 0.8			1.5 ... 1.8	
Molded plastic type • Flammability Class acc. to UL 94	PA V0				
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 6.3 / 26 ... 10 600 / 6.3 / 26 ... 10			 600 / 16 / 24 ... 8 -- / -- / --	

[1] Please observe the maximum power loss.

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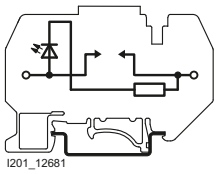
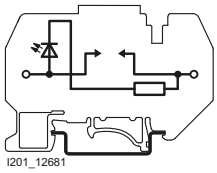
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
8WH1000-1GG08	**Fuse terminals, terminal size 4 mm², for 5 x 20 mm G fuse links** • c UL us • Terminal width 6.2 mm • I_{max} = 6.3 A • U_{max} = 500 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm² • Enclosed at both ends • Black						
 I201_12681 8WH1000-1MG88	Versions						
	• Without LED		**8WH1000-1GG08**		1	50 units	1BT
	• With LED 10 ... 30 V AC/DC		**8WH1000-1KG38**		1	50 units	1BT
	• With LED 110 ... 250 V AC/DC		**8WH1000-1MG88**		1	50 units	1BT
Terminal size 6 mm²							
8WH1000-1HH08	**Fuse terminals, terminal size 6 mm², for G fuse links 6.3 × 32 mm (inch fuses)** • c UL us • Terminal width 8.2 mm • I_{max} = 10 A • U_{max} = 630 V • AWG 24 ... 8 • Connection capacity, one conductor - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm² • Enclosed at both ends • Black						
 I201_12681 8WH1000-1PH38	Versions						
	• Without LED		**8WH1000-1HH08**		1	50 units	1BT
	• With LED 12 ... 30 V AC/DC		**8WH1000-1PH38**		1	50 units	1BT
Accessories							
8WH9002-8AC10	**Reducing combs, for connecting terminals, from terminal size 6 mm² to 2.5 or 4 mm², from screw to screw**		**8WH9002-8AC10**		1	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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8WH isolating blade terminals

Overview

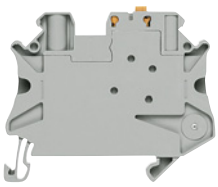
Key features of the 8WH isolating blade terminals are their slim design and high current carrying capacity of 20 A. They can be bridged with standard terminal jumpers over the double bridge shaft.

The individual clamping points can be inscribed at the front using labels.

Technical specifications

	8WH1000-6CG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 6.2 / 57.8 / -- 49.1 / 56.6
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1 • Overvoltage category / molded plastic group	 20 / 6 6 kV / 3 500 III / I
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm² • Rigid in mm²	 0.25 ... 4 0.25 ... 4 0.5 ... 2.5 0.14 ... 6
Stripped length in mm	9
Tightening torque in Nm	0.6 ... 0.8
Molded plastic type • Flammability Class acc. to UL 94	PA V0
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 16 / 26 ... 10 600 / 16 / 26 ... 10

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH1000-6CG00	**Isolating blade terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • I_{max} = 20 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 • Enclosed at both ends • Gray		8WH1000-6CG00		1	50 units	1BT
Accessories							
	Warning covers, for terminal size 4 mm² • Lightning symbol • Width 6.2 mm • Yellow		8WH9063-5BA06		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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Overview

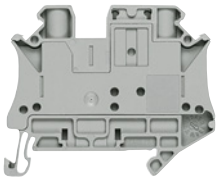
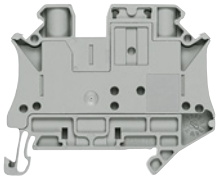
8WH isolating terminals serve for mounting various function plugs.

The individual clamping points can be inscribed at the front using labels.

Technical specifications

	8WH1000-6AG00	8WH1000-6AH00
Dimensions		
• Width/length/cover width 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 / molded plastic 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
Tightening torque in Nm	0.6 ... 0.8	1.5 ... 1.8
Molded plastic type	PA	
• Flammability Class acc. to UL 94	V0	
Approval data (UL/cUL and CSA)		
• Rated voltage / rated current / conductor 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH1000-6AG00	**Isolating terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • I_{max} = 20 A • U_{max} = 400 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm² • Enclosed at both ends • Gray		8WH1000-6AG00		1	50 units	1BT
Terminal size 6 mm²							
 8WH1000-6AH00	**Isolating terminals, terminal size 6 mm²** • c UL us • Terminal width 8.2 mm • I_{max} = 20 A • U_{max} = 500 V • AWG 24 ... 8 • Connection capacity, one conductor - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm² • Enclosed at both ends • Gray		8WH1000-6AH00		1	50 units	1BT

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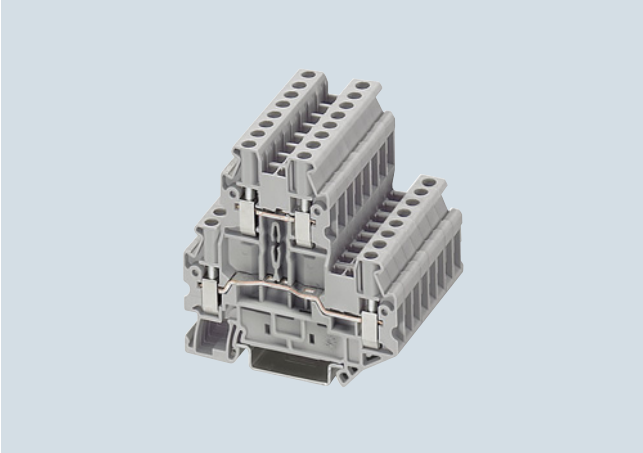
Overview



The compact 8WH1 two-tier terminal is available in the nominal cross-sections 2.5 and 4 mm^2. The voltage levels routed in a 5.2 mm or 6.2 mm grid through two tiers reduce the space required in the control cabinet by a further 50 %. Two integral bridge shafts per tier and two facilities for large inscriptions of all clamping points are provided.

With 8WH1025 two-tier terminals the upper and lower level are connected.

The tier offset 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 side by side.

The clamping points of the 8WH1 two-tier terminals can be inscribed at the front using the labels.

Technical specifications

	8WH1020-0AF00 8WH1020-0AF01	8WH1020-0AG00 8WH1020-0AG01	8WH1020-0CF07	8WH1020-0CG07
Dimensions				
• Width/length/cover width in mm	5.2 / 69.9 / 2.2	6.2 / 69.9 / 2.2	5.2 / 69.9 / 2.2	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 mm^2	28 / 4	36 / 6	-- / 4	-- / 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	800	--	
• Overvoltage category / molded plastic group	III / I			
Connection capacities				
• Flexible with end sleeve, with plastic sleeve in mm^2	0.25 ... 2.5	0.25 ... 4	0.25 ... 2.5	0.25 ... 4
• Flexible with end sleeve, without plastic sleeve in mm^2	0.25 ... 2.5	0.25 ... 4	0.25 ... 2.5	0.25 ... 4
• Flexible with two-wire connection end sleeve, with plastic sleeve in mm^2	0.5 ... 1.5	0.5 ... 2.5	0.5 ... 1.5	0.5 ... 2.5
• Rigid in mm^2	0.14 ... 4	0.14 ... 6	0.14 ... 4	0.14 ... 6
Stripped length in mm	9			
Tightening torque in Nm	0.5 ... 0.6	0.6 ... 0.8	0.5 ... 0.6	0.6 ... 0.8
Molded plastic type	PA			
• Flammability Class acc. to UL 94	V0			
Approval data (UL/cUL and CSA)				
• Rated voltage / rated current / conductor sizes				
- UL/cUL: in V/A / AWG	600 / 20 / 26 ... 12	600 / 30 / 26 ... 12	-- / -- / 26 ... 12	-- / -- / 26 ... 10
- CSA: in V/A / AWG	-- / -- / --			

	8WH1025-0AF00	8WH1025-0AG00
Dimensions		
• Width/length/cover width 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 mm^2	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 / molded plastic 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 ... 1.5	0.5 ... 2.5
• Rigid in mm^2	0.14 ... 4	0.14 ... 6
Stripped length in mm	9	
Tightening torque in Nm	0.5 ... 0.6	0.6 ... 0.8
Molded plastic type	PA	
• Flammability Class acc. to UL 94	V0	
Approval data (UL/cUL and CSA)		
• Rated voltage / rated current / conductor sizes		
- UL/cUL: in V/A / AWG	600 / 20 / 26 ... 12	600 / 30 / 26 ... 10
- CSA: in V/A / AWG	-- / -- / --	

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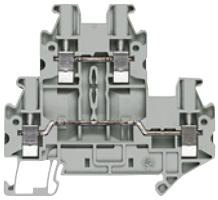
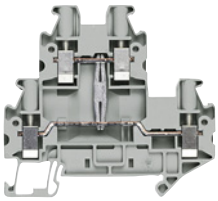
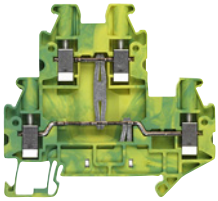
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH1020-0AF00	**Two-tier terminals, terminal size 2.5 mm²** • c UL us • 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						
 8WH1025-0AF00	Versions						
	• Gray						
	- Without equipotential bonding		**8WH1020-0AF00**		1	50 units	1BT
	- With equipotential bonding		**8WH1025-0AF00**		1	50 units	1BT
	• Blue						
	- Without equipotential bonding		**8WH1020-0AF01**		1	50 units	1BT
 8WH1020-0CF07	**PE two-tier terminals, terminal size 2.5 mm²** • c UL us • 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		**8WH1020-0CF07**		1	50 units	1BT

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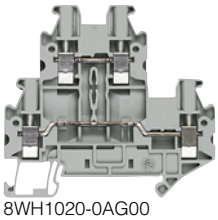
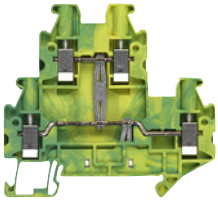
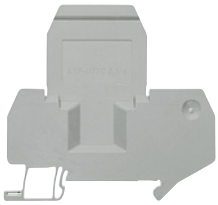
8WH two-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH1020-0AG00	**Two-tier terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • I_{max} = 36 A • U_{max} = 800 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm²						
	Versions						
	• Gray						
	- Without equipotential bonding		**8WH1020-0AG00**		1	50 units	1BT
	- With equipotential bonding		**8WH1025-0AG00**		1	50 units	1BT
	• Blue						
	- Without equipotential bonding		**8WH1020-0AG01**		1	50 units	1BT
 8WH1020-0CG07	**PE two-tier terminals, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm² • Green/yellow		**8WH1020-0CG07**		1	50 units	1BT
Accessories							
8WH9000-1QA00	**Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Width 2.2 mm • Gray		**8WH9000-1QA00**		100	50 units	1BT
8WH9160-0AA00	**Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Compensates for tier offset if other terminals are mounted side by side • 2.5 mm thick • Gray		**8WH9160-0AA00**		100	50 units	1BT
 8WH9070-6FA00	**Compartment partitions, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-6FA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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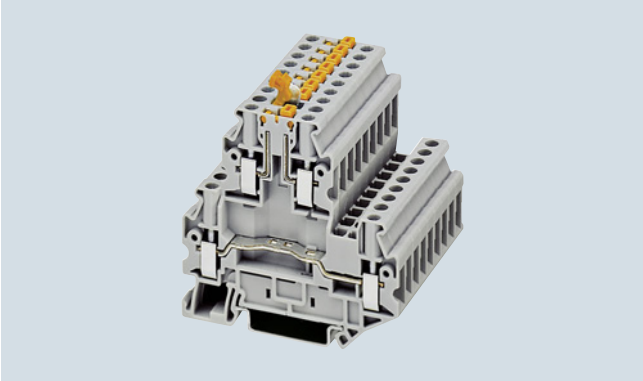
Overview



Two-tier terminals with isolating function/isolating blades are also available with the same contour as 8WH1 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 wiring tasks, particularly in measuring and control technology, an isolating blade or an isolating plug, a component plug or a fused plug for 5 × 20 mm glass tube fuses can be used in the standardized separation zone in the upper tier.

The looping of measuring devices is possible over the terminal screws with integrated test socket so that voltage and current measurements can be performed on both tiers without interruption. The tier offset makes access to the lower tier much easier.

The clamping points of two-tier terminals can be inscribed at the front using the labels.

Technical specifications

	8WH1020-6AC00	8WH1020-6AG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 6.2 / 69.9 / 2.2 65 / 72.5	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1 • Overvoltage category / molded plastic group	 38[1] / 6 6 kV / 3 500 III / I	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm² • Rigid in mm²	 0.25 ... 4 0.25 ... 4 0.5 ... 2.5 0.14 ... 6	
Stripped length in mm	9	
Tightening torque in Nm	0.6 ... 0.8	
Molded plastic type • Flammability Class acc. to UL 94	PA V0	
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 5 / 26 ... 10 -- / -- / --	

[1] Bottom level

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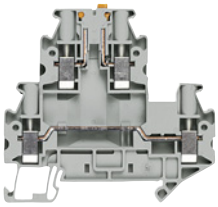
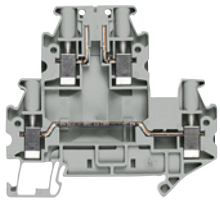
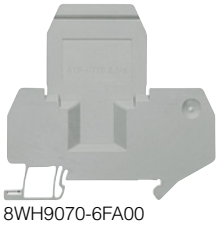
8WH two-tier terminal with isolating function

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH1020-6AC00  8WH1020-6AG00	**Two-tier terminal, with isolating function/isolating blade, terminal size 4 mm²** • c UL us • Terminal width 6.2 mm • I_{max} = 38 A • U_{max} = 500 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm²						
	Versions						
	• Isolating links in the upper tier		**8WH1020-6AC00**		1	50 units	1BT
	• Isolating terminal in the upper tier		**8WH1020-6AG00**		1	50 units	1BT
Accessories							
8WH9000-1QA00	**Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Width 2.2 mm • Gray		**8WH9000-1QA00**		100	50 units	1BT
8WH9160-0AA00	**Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Compensates for tier offset if other terminals are mounted side by side • 2.5 mm thick • Gray		**8WH9160-0AA00**		100	50 units	1BT
 8WH9070-6FA00	**Compartment partitions, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-6FA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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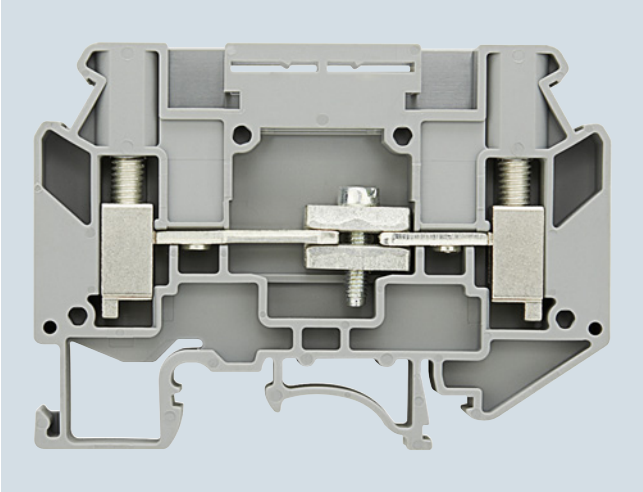
Overview



Measuring transformer terminals can be used for testing and isolating circuits without interrupting operation. In this way, they permit easy and transparent maintenance and commissioning.

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 can be screwed into the front side of the through-type and isolating terminals.

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. Two labels can be snapped on to the side of each terminal at the front.

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 is extended by adding on equivalent circuits. Links between the basic circuits provide many kinds of testing facilities, parallel outgoing lines to other measuring devices, 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.

Instrument set for three transformers with neutral point

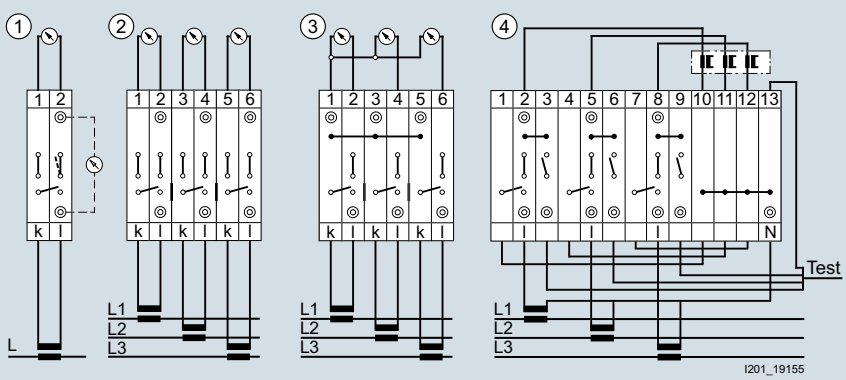
The instrument set with a neutral point is an extension of the previous circuit. Four instead of six lines are sufficient for connecting it with the measuring devices. The neutral point is produced on the measuring instruments on the one hand, and using a shortened 8WH9021-0AL00 connection bar on the other.

Note

The 8WH1000-7BH00 through-type terminals and their associated disconnecting links enable terminal sets for current transformers to be configured much more easily. Instead of the 12 isolating or instrument isolating terminals used previously, only 3 instrument isolating terminals and 3 through-type terminals now have to be used.

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 jumpers connect terminals 1, 4 and 7 with the neutral point that is formed in terminals 10, 11, 12 and 13 with a shortened jumper 8WH9021-0AL00.



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
8WH1000-7BH00	--	--	3	7
8WH1000-7AH00	2	6	3	6
8WH9021-0AL00 (sep.)	--	--	1	1
Jumper 2-pole/ colored Test socket				
8WH8021-0AC00	1	3	3	3
8WH9010-0MB03	2	2	2	3
-0MB11	--	2	2	3
-0MB06	--	2	2	3

◎ Test socket
●—● Jumper, 10 pole, 8WH9021-0AL00 (separable)
○—○ Disconnecting link (closed)

Connection option for measuring transformer terminals (instrument sets)

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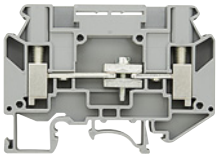
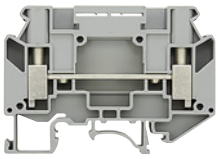
8WH measuring transformer terminals

Technical specifications

	8WH1000-7AH00	8WH1000-7BH00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 8.2 / 66.5 / 2.2 48	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm^2 • Rated uninterrupted current in A • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1	 57/10 mm^2 41 500	 57/10 mm^2 41 800
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm^2 • Flexible with end sleeve, without plastic sleeve in mm^2 • Flexible with two-wire connection end sleeve, with plastic sleeve in mm^2 • Rigid in mm^2	 0.5 ... 6 0.5 ... 6 0.5 ... 6 0.5 ... 10	 0.5 ... 6 0.5 ... 6 0.5 ... 6 0.5 ... 10
Stripped length in mm	10	10
Tightening torque in Nm	1.5 ...1.6	1.5 ...1.6
Flammability Class acc. to UL 94	V0	

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • With thermoplastic insulating body • Screw terminals at both ends and 2 recesses for screwing in the test adapters Note: For labeling accessories, see ... — Section: Accessories — Page: 8/2						
Terminal size 6 mm^2							
 8WH1000-7AH00	**Measuring transformer isolating terminals, terminal size 6 mm^2** • Rated uninterrupted current 41 A • Rated insulation voltage 500 V • Mounting width 8.2 mm • Disconnect slide tightening torque: 0.6 ... 0.8 Nm		**8WH1000-7AH00**		1	50 units	1BT
 8WH1000-7BH00	**Measuring transformer through-type terminal, terminal size 6 mm^2** • Rated uninterrupted current 41 A • Rated insulation voltage 800 V • Mounting width 8.2 mm		**8WH1000-7BH00**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
8WH9000-3UA00	**Covers, for measuring transformer terminals, size 6 mm²** • Width 2.2 mm • Gray		**8WH9000-3UA00**		100	50 units	1BT
8WH9021-0AC00	**Disconnecting links, 2-pole** • For bridging two adjacent terminals • Cannot be used with the bare 8WH9010-0MB12 test socket • Tightening torque: 0.6....0.8 Nm		**8WH9021-0AC00**		1	10 units	1BT
8WH90210AL00	**Bridges, 10-pole (separable)** • Consisting of connecting wire, spacer sleeves and screws • For bridging terminals, the connecting wire is adjustable • Tightening torque: 0.6 ... 0.8 Nm • Cannot be used with the bare 8WH9010-0MB12 test socket		**8WH9021-0AL00**		1	10 units	1BT
8WH9010-0MB03	**Test sockets, green** • For screwing into the measuring transformer terminals • Tightening torque: 0.6 ... 0.8 Nm • The 8WH9021-0AC00 disconnecting link shall be used for short-circuiting adjacent terminals.		**8WH9010-0MB03**		1	10 units	1BT
8WH9010-0MB11	**Test sockets, violet** • For screwing into the measuring transformer terminals. • Tightening torque: 0.6 ... 0.8 Nm • The 8WH9021-0AC00 disconnecting link shall be used for short-circuiting adjacent terminals.		**8WH9010-0MB11**		1	10 units	1BT
8WH9010-0MB06	**Test sockets, yellow** • For screwing into the measuring transformer terminals. • Tightening torque: 0.6 ... 0.8 Nm • The 8WH9021-0AC00 disconnecting link shall be used for short-circuiting adjacent terminals.		**8WH9010-0MB06**		1	10 units	1BT
8WH9010-0MB12	**Test sockets, bare** • For screwing into the measuring transformer terminals • For simple transformer measurements • Tightening torque: 0.6 ... 0.8 Nm • For tapping with test plug • The 8WH9010-0BC08 short-circuiting plug shall be used for short-circuiting adjacent terminals.		**8WH9010-0MB12**		1	10 units	1BT
8WH9010-0BC08	**Short-circuiting plugs, 2-pin** • For short-circuiting adjacent terminals • For simple transformer measurements • Tightening torque: 0.6 ... 0.8 Nm • Required when the bare 8WH9010-0MB12 test adapter is used in the measuring transformer terminal • Totally insulated • I_{max} = 20 A		**8WH9010-0BC08**		1	10 units	1BT

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

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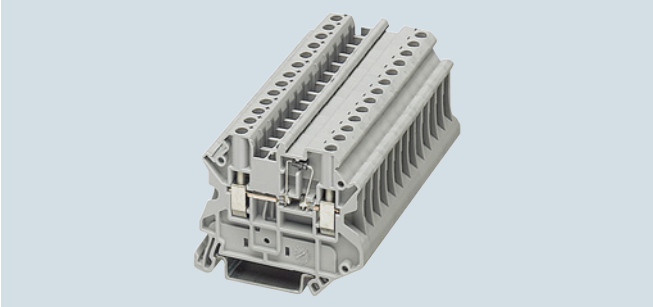
8WH diode terminals

Overview



8WH diode terminals can be used to implement many different wiring tasks. The 1N 4007 diode is soldered in from left to right or vice versa as required. The double bridge shaft 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.

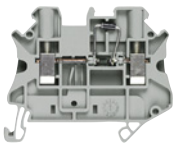
The clamping points of diode terminals can be inscribed at the front using the labels.

Technical specifications

	8WH1000-6KG00	8WH1000-6LG00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 6.2 / 57.8 / 2.2 47.5 / 55	
Technical specifications acc. to IEC/DIN VDE • Max. load current in A[1] / cross-section in mm² • Rated impulse withstand voltage in kV / pollution degree • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1 • Overvoltage category / molded plastic group	 -- / 6 8 kV / 3 800 III / I	
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm² • Flexible with end sleeve, without plastic sleeve in mm² • Flexible with two-wire connection end sleeve, with plastic sleeve in mm² • Rigid in mm²	 0.25 ... 4 0.25 ... 4 0.5 ... 2.5 0.14 ... 6	
Stripped length in mm	9	
Tightening torque in Nm	0.6 ... 0.8	
Molded plastic type • Flammability Class acc. to UL 94	PA V0	
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: in V/A / AWG - CSA: in V/A / AWG	 600 / 1 / 26 ... 10 600 / 1 / 26 ... 10	 600 / 1 / 26 ... 10 600 / 1 / 26 ... 10

[1] Maximum current determined by diode. A 1N 4007 diode is integrated, blocking voltage: 1300 V, max. average on-state current: 0.5 A

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
 8WH1000-6KG00	**Diode terminals, terminal size 4 mm², gray,** C UL US, CSA • Terminal width 6.2 mm • I_{max} = 0.5 A, U_{max} = 800 V • AWG 26 ... 10 • Connection capacity, one conductor - Rigid 0.14 ... 6 mm², flexible 0.14 ... 6 mm² • Connection capacity, two conductors - Rigid 0.14 ... 1.5 mm², flexible 0.14 ... 1.5 mm² • With integrated diode: 1N 4007						
	Versions						
	• Let-through from left to right		**8WH1000-6LG00**		1	50 units	1BT
	• Let-through from right to left		**8WH1000-6KG00**		1	50 units	1BT
Accessories							
 8WH9000-2PA00	**Covers, for diode terminals, for terminal size 2.5 ... 4 mm²** • Width 2.2 mm • Gray		**8WH9000-2PA00**		100	50 units	1BT
	Warning covers, for terminal size 4 mm² • Lightning symbol, yellow		**8WH9063-5BA06**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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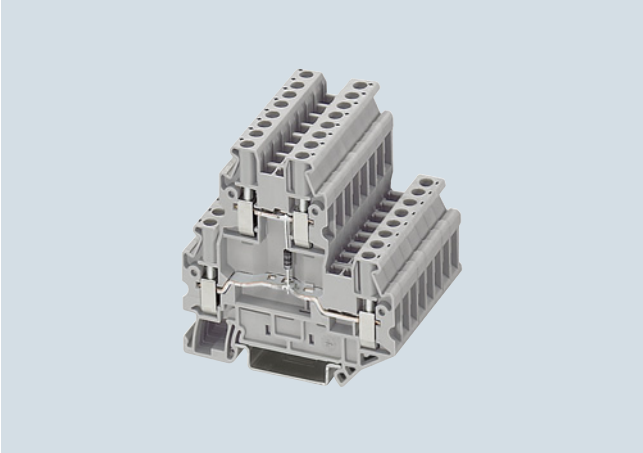
Overview



8WH two-tier diode terminals with a width of only 5.2 mm can be used to implement many different wiring tasks. This make the following possible in the narrowest of spaces:

- Freewheel diode circuits
- Lamp test circuits
- Signaling and fault signaling circuits

The clamping points of the 8WH1 two-tier diode terminals can be inscribed at the front using the labels.

Technical specifications

	8WH1020-5AF00, 8WH1020-5BF00, 8WH1020-5DF00, 8WH1020-5FF00, 8WH1020-5HF00, 8WH1020-5JF30, 8WH1020-5LF00
Dimensions • Width/length/cover width in mm • Height (NS 35/7.5 / NS 35/15) in mm	 5.2 / 69.9 / 2.2 65 / 72.5
Technical specifications acc. to IEC/DIN VDE • Max. load current in A[1] / cross-section in mm^2 • Rated impulse withstand voltage in kV / pollution degree • Rated insulation voltage (working voltage) U_i in V acc. to IEC 60497-7-1 • Overvoltage category / molded plastic group	 28 / 4 6 kV / 3 500 III / I
Connection capacities • Flexible with end sleeve, with plastic sleeve in mm^2 • Flexible with end sleeve, without plastic sleeve in mm^2 • Flexible with two-wire connection end sleeve, with plastic sleeve in mm^2 • Rigid in mm^2	 0.25 ... 2.5 0.25 ... 2.5 0.5 ... 1.5 0.14 ... 4
Stripped length in mm	9
Tightening torque in Nm	0.5 ... 0.6
Molded plastic type • Flammability Class acc. to UL 94	PA V0
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor 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. average on-state current: 0.5 A

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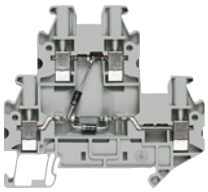
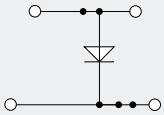
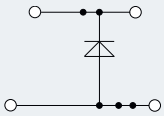
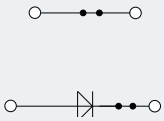
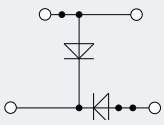
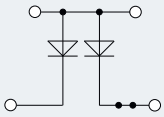
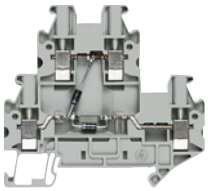
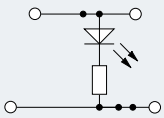
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 2.5 mm²							
 8WH1020-5FF00	**Two-tier diode terminals, terminal size 2.5mm²** • c UL us • Terminal width 5.2 mm • I_{max} = 28 A, through the diode 0.5 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 • With integrated diode: 1N 4007 • Gray						
	Circuit diagram / Versions						
	 • With an integrated 1N 4007 diode • Let-through from top to bottom		**8WH1020-5AF00**		1	50 units	1BT
	 • With an integrated 1N 4007 diode • Let-through from bottom to top		**8WH1020-5BF00**		1	50 units	1BT
	 • With an integrated 1N 4007 diode • Let-through from bottom left to top right		**8WH1020-5DF00**		1	50 units	1BT
	 • With two 1N 4007 diodes integrated • Let-through from top to bottom left and from bottom right to bottom left		**8WH1020-5FF00**		1	50 units	1BT
	 • With two 1N 4007 diodes integrated • Let-through from top to bottom left and from top to bottom right		**8WH1020-5HF00**		1	50 units	1BT
 8WH1020-5FF00	**Two-tier terminals with LED 24 V DC, terminal size 2.5 mm²** NEW For checking whether voltage is present • c UL us • Terminal width 5.2 mm • I_{max} = 28 A, through the diode 0.5 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 • With integrated diode: 1N 4007 • Gray						
	Circuit diagram						
			**8WH1020-5JF30**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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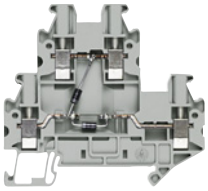
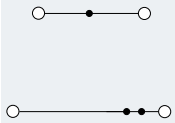
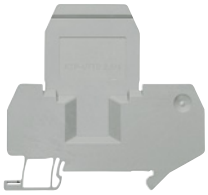
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH1020-5FF00	**Two-tier terminals for soldering of components, terminal size 2.5 mm²** Supplied without components; the appropriate components (resistors, diodes, capacitors, ...) shall be soldered in by user • c UL us • Terminal width 5.2 mm • I_{max} = 28 A, through the diode 0.5 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 • With integrated diode: 1N 4007 • Gray Circuit diagram 		**8WH1020-5LF00**		1	50 units	1BT
Accessories							
8WH9000-1QA00	**Covers, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Width 2.2 mm • Gray		**8WH9000-1QA00**		100	50 units	1BT
8WH9160-0AA00	**Spacer plates, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • Compensates for tier offset if other terminals are mounted side by side • 2.5 mm thick • Gray		**8WH9160-0AA00**		100	50 units	1BT
 8WH9070-6FA00	**Compartment partitions, for two-tier terminals, for terminal size 2.5 ... 4 mm²** • For visual and electrical separation of terminal groups • 2 mm thick • Gray		**8WH9070-6FA00**		100	50 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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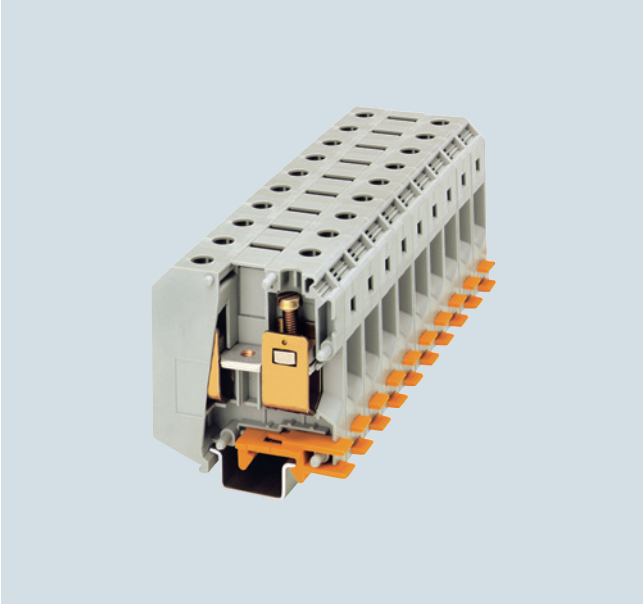
8WH high-current terminals

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 enclosed insulating body made of polyamide 6.6.

The terminals are available in gray and blue.

8WH labels must be used at the front for inscription purposes.

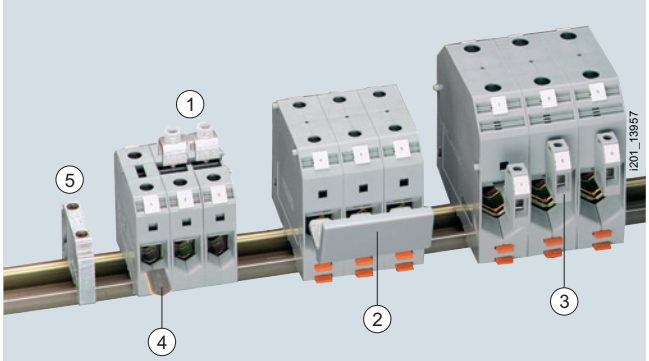
For terminals with terminal sizes up to 95 mm², green-yellow PE/ground conductor terminals are available.

Mounting on support rails acc. to IEC 60 715.

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 ... 240 mm² terminals.

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Technical specifications

	8WH1000-0AN00 8WH1000-0AN01	8WH1000-0CN07	8WH1000-0AQ00 8WH1000-0AQ01
Dimensions • Width/length in mm • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm	 20 / 70.5 -- / 83.5 / 81.5		 25 / 83 -- / 97.5 / 95.5
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Maximum cross-section with comb (rigid / flexible) in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 150 / 50 -- 8 / 3 III / I		 232 / 95 95 / 70
Connection capacities • Flexible with end sleeve without/with 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 • Flexible with end sleeve, without plastic sleeve in mm²	 10 ... 16 / 10 ... 16 10 ... 16		 25 ... 35 / 25 ... 35 16 ... 35
Stripped length in mm	24		33
Plug gauge (IEC 60947-1)	B10		B12
Screw thread	M6	--	M8
Tightening torque in Nm	6 ... 8	--	15 ...20
Clamping point: screw thread / tightening torque in Nm	--	M6 / 6 ... 8	--
Fixing: screw thread / tightening torque in Nm	--	M6 / 6 ... 8	--
Molded plastic type • Flammability Class acc. to UL 94	PA V0		
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: V/A/AWG - CSA: V/A/AWG	 600 / 150 / 6 ... 0 600 / 125 / 6 ... 0	 6 ... 1 / 0 --	 600 / 230 / 2 - 000 600 / 230 / 1 - 000
Support rails / protective conductor busbars	--	See page 1/3, section "Support rails"	--

	8WH1000-0CQ07	8WH1000-0AS00 8WH1000-0AS01	8WH1000-0AU00 8WH1000-0AU01
Dimensions • Width/length in mm • Height (TS 35/7.5 / TS 35/15 / TS 32) in mm	 25 / 83 -- / 99 / 96.5	 31 / 100 -- / 118.5 / 116	 36 / 100 -- / 131.5 / 129.5
Technical specifications acc. to IEC/DIN VDE • Max. load current in A / cross-section in mm² • Maximum cross-section with comb (rigid / flexible) in mm² • Rated impulse withstand voltage in kV / pollution degree • Overvoltage category / molded plastic group	 232 / 95 -- 8 / 3 III / I	 309 / 150 150 / 120	 415 / 240 240 / 185
Connection capacities • Flexible with end sleeve without/with 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 • Flexible with end sleeve, without plastic sleeve in mm²	 25 ... 35 / 25 ... 35 16 ... 35	 25 ... 50 / 35 ... 50 25 ... 50	 35 ... 95 / 50...95 35 ... 50
Stripped length in mm	30	40	
Plug gauge (IEC 60947-1)	B12	B14	B15
Screw thread	--	M10	
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)	--	--
Molded plastic type • Flammability Class acc. to UL 94	PA V0		
Approval data (UL/cUL and CSA) • Rated voltage / rated current / conductor sizes - UL/cUL: V/A/AWG - CSA: V/A/AWG	 2 ... 4 / 0 2 ... 4 / 0	 600 / 285 / 2 AWG ...300 kcmil 600 / 275 / 2 AWG ... 300 kcmil	 600 / 380 / 00 ... 500 kcmil 600 / 400 / 0 ... 500 kcmil
Support rails / protective conductor busbars	See page 1/3, section "Support rails"	--	

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8WH high-current terminals

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 50 mm²							
8WH1000-0AN00	**High-current terminals, terminal size 50 mm²** • Enclosed at both ends • Terminal width 20 mm • c UL us • IEC 60947-7-1 - Rigid 16 ... 50 mm² - Flexible 25 ... 50 mm² - AWG 6-0 - *I* = 150 A - *U* = 1000 V						
	Versions						
	• Gray		**8WH1000-0AN00**		1	10 units	1BT
	• Blue		**8WH1000-0AN01**		1	10 units	1BT
8WH1000-0CN07	**PE high-current terminals, terminal size 50 mm²** • Green/yellow • Enclosed at both ends • Terminal width 20 mm • c UL us • IEC 60947-7-1 - Rigid 16 ... 50 mm² - Flexible 25 ... 50 mm² - AWG 6-0 - *I* = 150 A - *U* = 1000 V		**8WH1000-0CN07**		1	10 units	1BT
Terminal size 95 mm²							
8WH1000-0AQ00	**High-current terminals, terminal size 95 mm²** • Enclosed at both ends • Terminal width 25 mm • c UL us • IEC 60947-7-1 - Rigid 25 ... 95 mm² - Flexible 35 ... 95 mm² - AWG 4-000 - *I* = 232 A - *U* = 1000 V						
	Versions						
	• Gray		**8WH1000-0AQ00**		1	10 units	1BT
	• Blue		**8WH1000-0AQ01**		1	10 units	1BT
8WH1000-0CQ07	**PE high-current terminals, terminal size 95 mm²** • Green/yellow • Enclosed at both ends • Terminal width 25 mm • c UL us • IEC 60947-7-1 - Rigid 25 ... 95 mm² - Flexible 35 ... 95 mm² - AWG 4-000 - *I* = 232 A - *U* = 1000 V		**8WH1000-0CQ07**		1	10 units	1BT
8WA1010-1PQ00	**PE high-current terminals and PEN high-current terminals, terminal size 95mm², two screw terminals** • Bare • For *I* = 232 A • Mounting width 16 mm • Terminal height 63 mm • Terminal length 75 mm • For 35 mm x 15 mm standard mounting rail only		**8WA1010-1PQ00**		1	5 units	1BT
	Note						
	8WH accessories do not match this terminal.						

* You can order this quantity or a multiple thereof.

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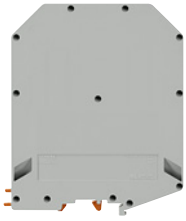
	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 150 mm²							
8WH1000-0AS00	**High-current terminals, terminal size 150 mm²** • Enclosed at both ends • Terminal width 31 mm • c UL us • IEC 60947-7-1 - Rigid 35 ... 150 mm² - Flexible 50 ... 150 mm² - AWG 2-300 - I = 309 A - U = 1000 V						
	Versions						
	• Gray		**8WH1000-0AS00**		1	10 units	1BT
	• Blue		**8WH1000-0AS01**		1	10 units	1BT
Terminal size 240 mm²							
 8WH1000-0AU00	**High-current terminals, terminal size 240 mm²** • Enclosed at both ends • Terminal width 36 mm • c UL us • IEC 60947-7-1 - Rigid 70 ... 240 mm² - Flexible 70 ... 240 mm² - AWG 00-500 - I = 415 A - U = 1000 V						
	Versions						
	• Gray		**8WH1000-0AU00**		1	10 units	1BT
	• Blue		**8WH1000-0AU01**		1	10 units	1BT
Accessories							
8WH9120-0AA00	**Tap-off terminals** • When wiring a pick-off with a smaller cross-section, observe the overload and short-circuit strength specified in VDE 0100 Part 430 • I_{max}: 57 A • Cross-section: 10 mm²						
	Versions						
	• For terminal size 50 mm²		**8WH9120-0AA00**		1	10 units	1BT
	• For terminal size 95 mm²		**8WH9120-0BA00**		1	10 units	1BT
	• For terminal size 150 ... 240 mm²		**8WH9120-0CA00**		1	10 units	1BT
8WH9020-3AA00	**Combs** • Totally insulated • Fitted in the clamping sleeve and latched with the terminal enclosure						
	Versions						
	• For terminal size 95 mm², I_{max}: 232 A						
	- 2-pole		**8WH9020-3AA00**		1	10 units	1BT
	- 3-pole		**8WH9020-3BA00**		1	10 units	1BT
	• For terminal size 150 mm², I_{max}: 232 A						
	- 2-pole		**8WH9020-3CA00**		1	10 units	1BT
	- 3-pole		**8WH9020-3DA00**		1	10 units	1BT
	• For terminal size 240 mm², I_{max}: 320 A						
	- 2-pole		**8WH9020-3EA00**		1	10 units	1BT
	- 3-pole		**8WH9020-3FA00**		1	10 units	1BT
8WH9020-3MA00	**Insertion profiles** Evens out the prismatic sleeve base when using flat conductors						
	Versions						
	• For terminal size 50 mm²		**8WH9020-3MA00**		1	10 units	1BT
	• For terminal size 95 mm²		**8WH9020-3NA00**		1	10 units	1BT
	• For terminal size 150 and 240 mm²		**8WH9020-3PA00**		1	10 units	1BT
8WH9020-6HC00	**Permanent links, for terminal size 50 mm²** • For cross links • Screw heads with insulating collar • Remove partition first • I_{max} = 150 A						
	Versions						
	• 2-pole		**8WH9020-6HC00**		1	10 units	1BT
	• 3-pole		**8WH9020-6HD00**		1	10 units	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

* You can order this quantity or a multiple thereof.

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Overview

In industrial process engineering, a high interference immunity is required for electrical measuring and control equipment. 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 establish. 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 interference 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, triaxial 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 equipotential bonding 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 provide 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.

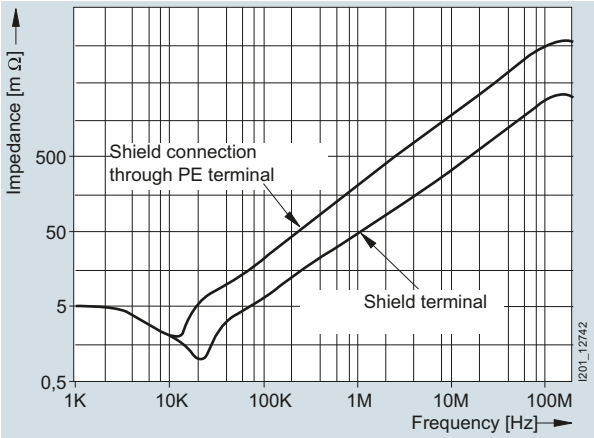
A spring-loaded pressure plate regulates the force applied to the cable to ensure an optimum contact with the busbar at all times.

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.

Technical specifications

	8WH9130-0KA00	8WH9130-0LA00	8WH9130-0MA00	8WH9130-0NA00	8WH9130-0PA00
Dimensions	See dimensional drawing	See dimensional drawing	See dimensional drawing	See dimensional drawing	See dimensional drawing
Contact resistance in mΩ		< 1			
Connection 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

	8WH9130-0AA00	8WH9130-0BA00	8WH9130-0CA00	8WH9130-0DA00
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			
Connection 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

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Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details						
	Note						
	• The shield terminals must not be used for strain relief • Support brackets have galvanic connections from the busbar to the support rail or to the mounting block • Busbar 10 x 3 mm						
Terminal diameter 3 ... 8 mm							
 8WH9130-0AA00	**Shield terminal, terminal diameter 3 ... 8 mm**						
	Versions						
	• For direct shield attachment on conductive mounting plate - Sheet thickness 1 ... 2 mm		**8WH9130-0AA00**		1	10 units	1BT
	• For busbars		**8WH9130-0LA00**		1	10 units	1BT
 8WH9130-0LA00							
Terminal diameter 3 ... 14 mm							
 8WH9130-0BA00	**Shield terminal, terminal diameter 3 ... 14 mm**						
	Versions						
	• For direct shield attachment on conductive mounting plate - Sheet thickness 1 ... 2 mm		**8WH9130-0BA00**		1	10 units	1BT
	• For busbars		**8WH9130-0MA00**		1	10 units	1BT
 8WH9130-0MA00							

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8WH shield terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal diameter 3 ... 20 mm							
8WH9130-0CA00	**Shield terminal, terminal diameter 3 ... 20 mm** Versions • For direct shield attachment on conductive mounting plate - Sheet thickness 1 ... 2 mm		**8WH9130-0CA00**		1	10 units	1BT
8WH9130-0NA00	• For busbars		**8WH9130-0NA00**		1	10 units	1BT
Terminal diameter 20 ... 35 mm							
8WH9130-0DA00	**Shield terminal, terminal diameter 20 ... 35 mm** Versions • For direct shield attachment on conductive mounting plate - Sheet thickness 1 ... 2 mm		**8WH9130-0DA00**		1	10 units	1BT
8WH9130-0PA00	• For busbars		**8WH9130-0PA00**		1	10 units	1BT

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	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
8WH9140-0DA00	**Support brackets**						
	Versions						
	• For terminal diameter 8 ... 35 mm, made of molded plastic and conductive connection - With retaining screw - For 10 x 3 mm busbars		**8WH9140-0DA00**		1	10 units	1BT
8WH9140-0BA00	• For terminal diameter 8 ... 20 mm, for mounting rail with clearance of approx. 30 mm to the busbar - For 10 x 3 mm busbars		**8WH9140-0BA00**		1	10 units	1BT
8WH9140-0CA00	• For terminal diameter 8 ... 20 mm, for mounting rail with clearance of approx. 65 mm to the busbar - For 10 x 3 mm busbars		**8WH9140-0CA00**		1	10 units	1BT
8WA2842	**N-busbars, 10 x 3 mm** • Copper, aluminum • 1000 mm long		**8WA2842**		1	1 unit	1BT

For general accessories for 8WH terminal blocks, see chapter "Accessories for 8WH Terminal Blocks"

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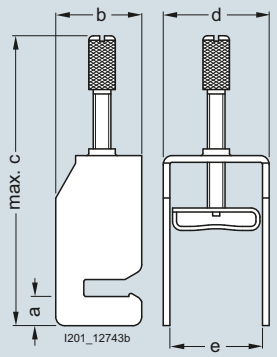
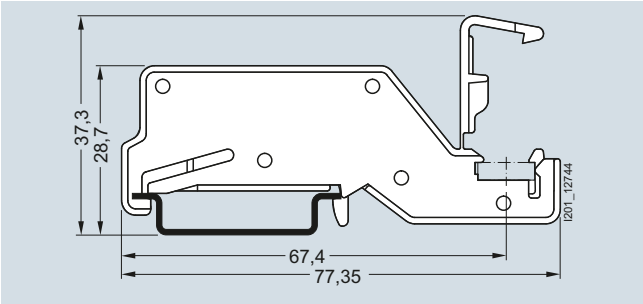
Dimensional drawings

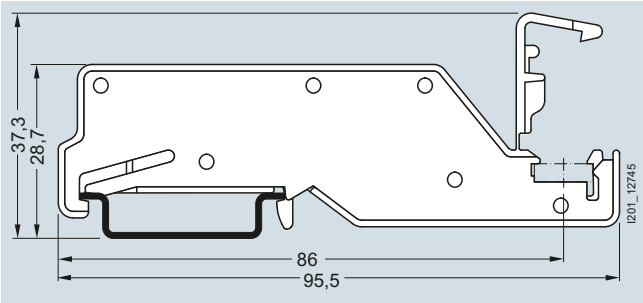


	a	b	c	d	e
8WH9130-0LA00	6,5	19,5	48,7	12,0	9,0
8WH9130-0MA00	6,5	19,5	59,3	17,0	14,0
8WH9130-0NA00	6,5	19,5	75,0	24,0	21,0
8WH9130-0PA00	6,5	20,0	106,5	40,0	36,0
8WH9130-0AA00	6,5	19,5	47,2	12,0	9,0
8WH9130-0BA00	6,5	19,5	57,8	17,0	14,0
8WH9130-0CA00	6,5	19,5	73,5	24,0	21,0
8WH9130-0DA00	6,5	20,0	105,0	40,0	36,0

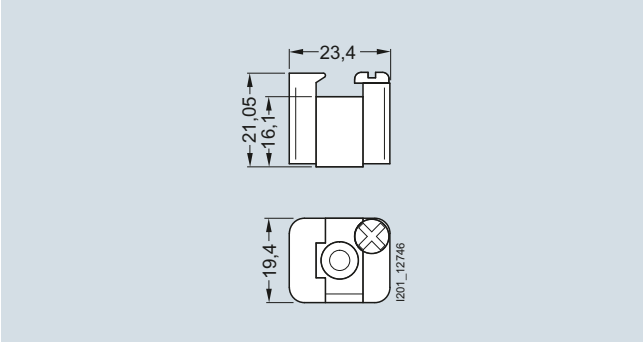
Shield terminals



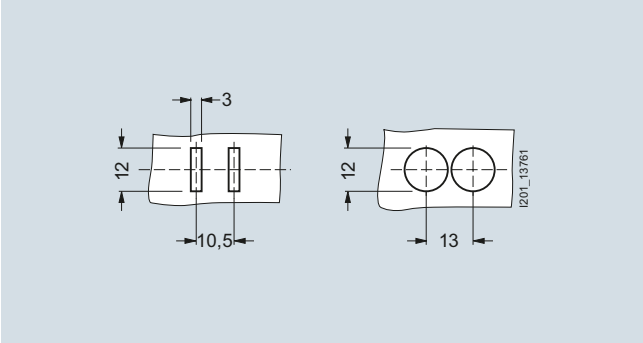
8WH9140-0BA00



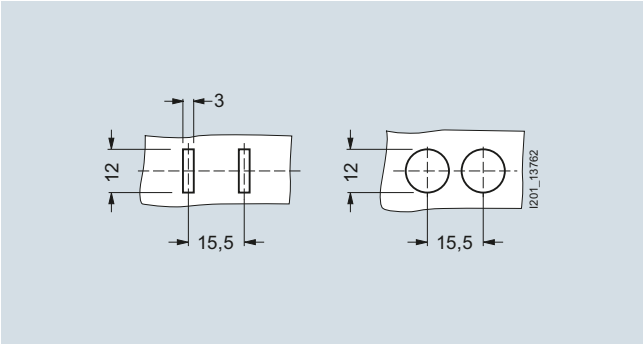
8WH9140-0CA00



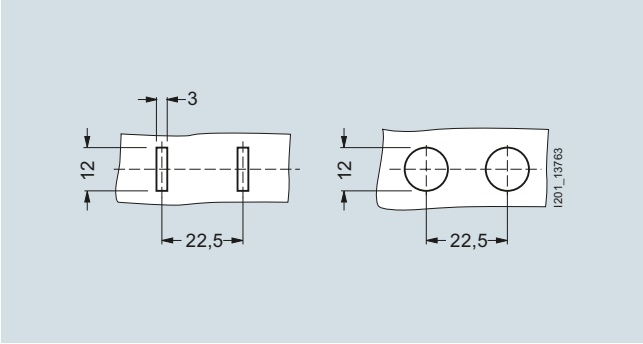
8WH9140-0DA00



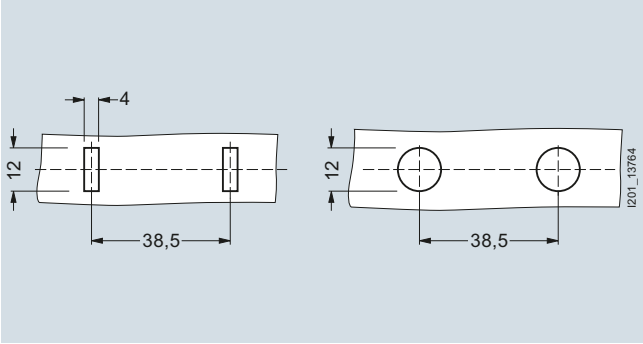
Punching template and drill plan for 8WH9130-0AA00



Punching template and drill plan for 8WH9130-0BA00



Punching template and drill plan for 8WH9130-0CA00



Punching template and drill plan for 8WH9130-0DA00

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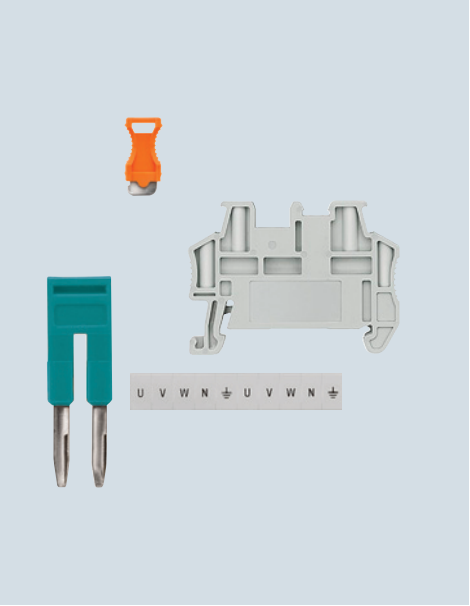
Accessories for 8WH Terminal Blocks



8/2 **Accessories for the labeling system**

8/3 **Standard labeling system**

8/8 **Mounting accessories**

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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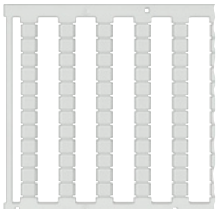
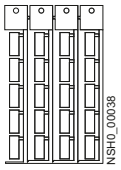
Selection and ordering data

Labeling system for individual inscription

Labeling systems for
- Terminal blocks
- Modular installation devices
- Circuit breakers
- Switch disconnectors

Available from:
Murrplastik Systemtechnik GmbH
Postfach 1143
D-71570 Oppenweiler
Telephone: +49 (0)7191-482-0
e-mail: info@murrplastik.de

Accessories for the labeling system

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WH8113-1AA05	**Blank labels for 8WH8 terminal blocks**						
	Versions						
	• Front						
	- For terminal width 4.2 mm (WIN 97)		**8WH8112-1AA05**		100	1024 units	1BT
	- For terminal width 5.2 and 6.2 mm (WIN 88)		**8WH8112-2AA05**		100	1400 units	1BT
	- For terminal width 8.2, 10, 12 and 16 mm (WIN 40)		**8WH8112-4AA05**		100	1000 units	1BT
	• Flat						
	- For terminal width 4.2 mm (WIN 180), 5.2 mm (WIN 182), 6.2 mm (WIN 184), 8.2 mm (WIN 186) and 10 mm (WIN 188)		**8WH8113-1AA05**		100	2000 units	1BT
	- For 12 and 16 mm terminal width (WIN 46Z)		**8WH8113-6AA05**		100	1080 units	1BT
 NSH0_00038	**Snap-on device labels**						
	For identification of e.g. • Circuit breakers • Contactors • Controllers						
	Versions						
	• 20 x 7, white, snap-on hooks at side (WIN 95)		**8WH8210-0AA55**		100	340 units	1BT
	• 20 x 7, turquoise, snap-on hooks at side (WIN 95)		**8WH8210-0AA56**		100	340 units	1BT
	Adhesive device labels						
	For identification of e.g. • Modular installation devices • Switch disconnectors						
	Versions						
	• 15 x 6 mm, white (WIN 098)		**8WH8210-0AA35**		100	3740 units	1BT
	• 15 x 6 mm, yellow (WIN 099)		**8WH8210-0AA36**		100	3740 units	1BT
	• 19 x 8 mm, white (WIN 088)		**8WH8210-0AA45**		100	2700 units	1BT
	• 19 x 8 mm, yellow (WIN 082)		**8WH8210-0AA46**		100	2700 units	1BT

Note:

The labels can be written by hand or using Murrplastik labeling systems.

The WIN designation simplifies the assignment in the labeling software.

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Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH8120-1AB05	**Labels, front, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8120-1A□□□		100	100 units	1BT
	- 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		8WH8120-1XA05		100	100 units	1BT
8WH8140-1AB05	**Labels, front, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), vertical labeling**						
	Versions						
	• Incremental numbering		8WH8140-1A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		**B05**				
	- 11 ... 20 (10×)		**B15**				
	- 21 ... 30 (10×)		**B25**				
	- 31 ... 40 (10×)		**B35**				
	• Custom inscription		8WH8140-1XA05		100	100 units	1BT
8WH8110-1AA05	**Labels, front, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), blank**		8WH8110-1AA05		100	100 units	1BT
8WH8121-1AB05	**Labels, flat, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8121-1A□□□		100	100 units	1BT
	- 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		8WH8121-1XA05		100	100 units	1BT
8WH8141-1AB05	**Labels, flat, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), vertical labeling**						
	Versions						
	• Incremental numbering		8WH8141-1A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		**B05**				
	- 11 ... 20 (10×)		**B15**				
	- 21 ... 30 (10×)		**B25**				
	- 31 ... 40 (10×)		**B35**				
	- 41 ... 50 (10×)		**B45**				
	• Custom inscription		8WH8141-1XA05		100	100 units	1BT
8WH8111-1AA05	**Labels, flat, for terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3), blank**		8WH8111-1AA05		100	100 units	1BT

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Accessories for 8WH Terminal Blocks

Standard labeling system

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH8120-2AB05 8WH8120-2AA15	**Labels, front, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8120-2A□□□		100	100 units	1BT
	- 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		8WH8120-2XA05		100	100 units	1BT
8WH8140-2AB05	**Labels, front, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), vertical labeling**						
	Versions						
	• Incremental numbering		8WH8140-2A□□□		100	100 units	1BT
	- 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		8WH8140-2XA05		100	100 units	1BT
8WH8110-2AA05	**Labels, front, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), blank**		8WH8110-2AA05		100	100 units	1BT
8WH8121-2AB15	**Labels, flat, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8121-2A□□□		100	100 units	1BT
	- 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		8WH8121-2XA05		100	100 units	1BT
8WH8141-2AB15	**Labels, flat, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), vertical labeling**						
	Versions						
	• Incremental numbering		8WH8141-2A□□□		100	100 units	1BT
	- 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		8WH8141-2XA05		100	100 units	1BT
8WH8111-2AA05	**Labels, flat, for terminal width 5.2 mm and terminal size 2.5 mm² (8WH3: 1.5 mm²), blank**		8WH8111-2AA05		100	100 units	1BT

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	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH8120-3AB05 8WH8120-3AA15 8WH8120-3AA25	**Labels, front, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8120-3A□□□		100	100 units	1BT
	- 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**				
	• U/V/W/N/grounding		**A25**				
	• Custom inscription		8WH8120-3XA05		100	100 units	1BT
8WH8140-3AB05	**Labels, front, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), vertical labeling**						
	Versions						
	• Incremental numbering		8WH8140-3A□□□		100	100 units	1BT
	- 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		8WH8140-3XA05		100	100 units	1BT
8WH8110-3AA05	**Labels, front, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), blank**		8WH8110-3AA05		100	100 units	1BT
8WH8121-3AB05	**Labels, flat, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8121-3A□□□		100	100 units	1BT
	- 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		8WH8121-3XA05		100	100 units	1BT
8WH8141-3AB05	**Labels, flat, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), vertical labeling**						
	Versions						
	• Incremental numbering - 1 ... 10 (10×)		8WH8141-3AB05		100	100 units	1BT
	• Custom inscription		8WH8141-3XA05		100	100 units	1BT
8WH8111-3AA05	**Labels, flat, for terminal width 6.2 mm and terminal size 4 mm² (8WH3: 2.5 mm²), blank**		8WH8111-3AA05		100	100 units	1BT

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Standard labeling system

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH8120-4AB05	**Labels, front, for terminal width 8.2 mm and terminal size 6 mm², horizontal labeling**						
	Versions						
8WH8120-4AA15	• Incremental numbering		8WH8120-4A□□□		100	100 units	1BT
	- 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		8WH8120-4XA05		100	100 units	1BT
8WH8140-4AB05	**Labels, front, for terminal width 8.2 mm and terminal size 6 mm², vertical labeling**						
	Versions						
	• Incremental numbering		8WH8140-4A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	• Custom inscription		8WH8140-4XA05		100	100 units	1BT
8WH8110-4AA05	**Labels, front, for terminal width 8.2 mm and terminal size 6 mm², blank**		8WH8110-4AA05		100	100 units	1BT
8WH8121-4AB05	**Labels, flat, for terminal width 8.2 mm and terminal size 6 mm², horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8121-4A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	• Custom inscription		8WH8121-4XA05		100	100 units	1BT
	Labels, flat, for terminal width 8.2 mm and terminal size 6 mm², vertical labeling						
	Versions						
	• Incremental numbering		8WH8141-4A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	• Custom inscription		8WH8141-4XA05		100	100 units	1BT
8WH8111-4AA05	**Labels, flat, for terminal width 8.2 mm and terminal size 6 mm², blank**		8WH8111-4AA05		100	100 units	1BT

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	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH8120-5AB05	**Labels, front, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², horizontal labeling**						
	Versions						
8WH8120-5AA15	• Incremental numbering		8WH8120-5A□□□		100	100 units	1BT
8WH8120-5AA25	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	- 31 ... 40 (10×)		B35				
	• L1/L2/L3/N/PE		A15				
	• U/V/W/N/grounding		A25				
	• Custom inscription		8WH8120-5XA05		100	100 units	1BT
8WH8140-5AB05	**Labels, front, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², vertical labeling**						
	Versions						
	• Incremental numbering		8WH8140-5A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	- 31 ... 40 (10×)		B35				
	• Custom inscription		8WH8140-5XA05		100	100 units	1BT
8WH8110-5AA05	**Labels, front, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², blank**		8WH8110-5AA05		100	100 units	1BT
8WH8121-5AB05	**Labels, flat, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², horizontal labeling**						
	Versions						
	• Incremental numbering		8WH8121-5A□□□		100	100 units	1BT
	- 1 ... 10 (10×)		B05				
	- 11 ... 20 (10×)		B15				
	- 21 ... 30 (10×)		B25				
	• Custom inscription		8WH8121-5XA05		100	100 units	1BT
8WH8141-5AB05	**Labels, flat, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², vertical labeling**						
	Versions						
	• Incremental numbering - 1 ... 10 (10×)		8WH8141-5AB05		100	100 units	1BT
	• Custom inscription		8WH8141-5XA05		100	100 units	1BT
8WH8111-5AA05	**Labels, flat, for terminal width 10 and 12 mm and terminal sizes 10 and 16 mm², blank**		8WH8111-5AA05		100	100 units	1BT
8WH8120-7AA15	**Labels, front, for terminal width 16 mm and terminal size 35 mm², horizontal labeling**						
	Versions						
	• L1/L2/L3/N/PE		8WH8120-7AA15		100	100 units	1BT
	• Custom inscription		8WH8120-7XA05		100	100 units	1BT
	Labels, front, for terminal width 16 mm and terminal size 35 mm², vertical labeling, custom labeling		8WH8140-7XA05		100	100 units	1BT
8WH8110-7AA05	**Labels, front, for terminal width 16 mm and terminal size 35 mm², blank**		8WH8110-7AA05		100	100 units	1BT
	Labels, flat, for terminal width 16 mm and terminal size 35 mm², blank		8WH8111-7AA05		100	100 units	1BT

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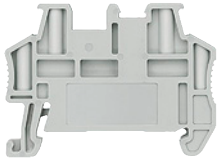
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WH9010-0DB02	**Modular test plugs** For individual assembly of test plug connectors						
	Versions						
	• For terminal width 5.2 mm and terminal size 2.5 mm² [1]		**8WH9010-0EB02**		1	10 units	1BT
	• For terminal width 6.2 mm and terminal size 6 mm² [1]		**8WH9010-0FB02**		1	10 units	1BT
8WH9010-2AA02	**Spacer plates** For leaving out single terminals for individual test plug assembly						
	Versions						
	• For terminal width 5.2 mm and terminal size 2.5 mm² [1]		**8WH9010-2BA02**		1	10 units	1BT
	• For terminal width 6.2 mm and terminal size 6 mm² [1]		**8WH9010-2CA02**		1	10 units	1BT
8WH9150-1CA00	**Terminal strip markers, for end retainers** • Height-adjustable • For quick-fit end retainers • Facility for labeling with terminal strip marker or two labels, front, for terminal width 10.2 mm • Labeling field size: 20 x 8 mm		**8WH9150-1CA00**		1	100 units	1BT
8WH9010-0JB00	**Test adapters** • For 4 mm Ø PS test plugs and 4 mm Ø safety test plugs • Makes contact in the bridge shaft		**8WH9010-0JB00**		1	10 units	1BT
8WH9020-0FC10	**Reducing combs**						
	Versions						
	• For bridging of a through-type terminal, terminal size 2.5 or 4 mm²						
	- For a through-type terminal, terminal size 1.5 mm²		**8WH9020-0CC10**		1	10 units	1BT
	- For a through-type terminal, terminal size 6 mm²		**8WH9020-0FC10**		1	10 units	1BT
	- For a through-type terminal, terminal size 10 mm²		**8WH9020-0AC10**		1	10 units	1BT
	- For a through-type terminal, terminal size 16 mm²		**8WH9020-0BC10**		1	10 units	1BT
	- For a through-type terminal, terminal size 35 mm²		**8WH9020-0EC10**		1	10 units	1BT
	• For bridging of a through-type terminal, terminal size 16 mm²						
	- For a through-type terminal, terminal size 35 mm²		**8WH9020-0DC10**		1	10 units	1BT
	Note						
	Not for 8WH1 through-type terminals and 8WH3 insulation displacement terminals.						
 8WH9150-0CA00	**Quick-fit end retainers** Facility for labeling with labels, front, for terminal width 5.2 mm and terminal strip marker		**8WH9150-0CA00**		1	50 units	1BT

[1] Excluding 8WH3

* You can order this quantity or a multiple thereof.

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8WH9200-0AA00

Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Screwdrivers For opening spring-loaded terminals						
Versions						
• 0.4 × 2.5 mm		8WH9200-0AA00		1	10 units	1BT
• 0.6 × 3.5 mm		8WH9200-0AB00		1	10 units	1BT
• 0.8 × 4.0 mm		8WH9200-0AC00		1	10 units	1BT
• 1.0 × 5.5 mm		8WH9200-0AD00		1	10 units	1BT

8WH9020-6AC10

Versions	Max. load current I_{max}					
Connecting combs						
• For terminal width 4.2 mm and terminal size 1.5 mm² (excluding 8WH3)	17.5 A					
- 2-pole		8WH9020-6AC10		1	50 units	1BT
- 3-pole		8WH9020-6AD10		1	50 units	1BT
- 4-pole		8WH9020-6AE10		1	50 units	1BT
- 5-pole		8WH9020-6AF10		1	50 units	1BT
- 10-pole		8WH9020-6AL10		1	10 units	1BT
- 20-pole		8WH9020-6AS10		1	10 units	1BT
• For terminal width 5.2 mm and terminal size 2.5 mm² (for 8WH3: 1.5 mm²)	24 A					
- 2-pole		8WH9020-6BC10		1	50 units	1BT
- 3-pole		8WH9020-6BD10		1	50 units	1BT
- 4-pole		8WH9020-6BE10		1	50 units	1BT
- 5-pole		8WH9020-6BF10		1	50 units	1BT
- 10-pole		8WH9020-6BL10		1	10 units	1BT
- 20-pole		8WH9020-6BS10		1	10 units	1BT
- 50-pole		8WH9020-6BT10		1	10 units	1BT
• For terminal width 6.2 mm and terminal size 4 mm² (for 8WH3: 2.5 mm²)	32 A					
- 2-pole		8WH9020-6CC10		1	50 units	1BT
- 3-pole		8WH9020-6CD10		1	50 units	1BT
- 4-pole		8WH9020-6CE10		1	50 units	1BT
- 5-pole		8WH9020-6CF10		1	50 units	1BT
- 10-pole		8WH9020-6CL10		1	10 units	1BT
- 20-pole		8WH9020-6CS10		1	10 units	1BT
- 50-pole		8WH9020-6CT10		1	10 units	1BT
• For terminal width 8.2 mm and terminal size 6 mm²	41 A					
- 2-pole		8WH9020-6DC10		1	10 units	1BT
- 3-pole		8WH9020-6DD10		1	10 units	1BT
- 4-pole		8WH9020-6DE10		1	10 units	1BT
- 5-pole		8WH9020-6DF10		1	10 units	1BT
- 10-pole		8WH9020-6DL10		1	10 units	1BT
• For terminal width 10 mm and terminal size 10 mm², 2-pole,	57 A	8WH9020-6EC10		1	10 units	1BT
• For terminal width 12 mm and terminal size 16 mm², 2-pole	76 A	8WH9020-6FC10		1	10 units	1BT
• For terminal width 16 mm and terminal size 35 mm², 2-pole	101 A	8WH9020-6GC10		1	10 units	1BT

8

* You can order this quantity or a multiple thereof.

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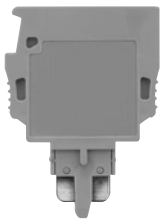
Mounting accessories

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	Plug-in zone connectors, for isolating terminals						
	Versions						
8WH9040-0DB04	• Isolating plugs - Orange		**8WH9040-0DB04**		1	50 units	1BT
8WH9020-8AB00	• Through-type connectors - Gray - I_{max}: 16 A		**8WH9020-8AB00**		1	50 units	1BT
8WH9040-3AB08	• Fused connectors - Black - I_{max}: 6.3 A - Facility for labeling with labels, flat, for terminal width 6.2 mm - G fuses 5 x 20 mm						
	Versions						
	- With LED display for 12 ... 30 V, 1 ... 2.5 mA		**8WH9040-3AB08**		1	10 units	1BT
	- With LED display for 110 ... 250 V, 0.5 ... 2.5 mA		**8WH9040-3CB08**		1	10 units	1BT
	- Without LED display		**8WH9040-3DB08**		1	10 units	1BT
	Note						
	• The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links. Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested. • Higher ambient temperatures represent an additional load for the fuse links. A shift in rated current should therefore be taken into account in such applications.						
 8WH9040-0BB00	• Component connectors - I_{max}: 6 A, depending on the power loss of the components, max. 1 W for single arrangement - Facility for labeling with labels, flat, for terminal width 5.2 mm		**8WH9040-0BB00**		1	10 units	1BT
8WA2867/8WA2868/ 8WA2870	**Feeder terminals, for N-busbars** • 6 × 6 mm and 10 × 3 mm • Bare						
	Versions						
	• Rated uninterrupted current 32 A, for connection of up to 4 mm^2		**8WA2867**		1	50 units	1BT
	• Rated uninterrupted current 76 A, for connection of up to 25 mm^2		**8WA2868**		1	50 units	1BT
	• Rated uninterrupted current 125 A, for connection of up to 35 mm^2		**8WA2870**		1	50 units	1BT
8WA2842	**N-busbars, 10 x 3 mm** • Made of copper, tin-plated • 1000 mm long		**8WA2842**		1	1 unit	1BT

* You can order this quantity or a multiple thereof.

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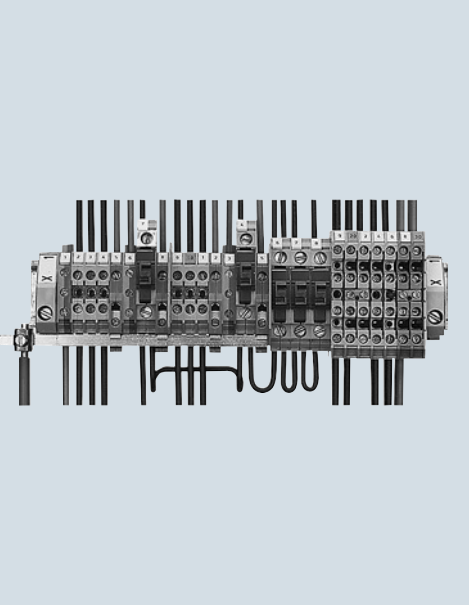

9/2	**Introduction**
9/3	**General data on 8WA**
9/9	**8WA through-type terminals[1)]**
9/15	**8WA N-conductor isolating and branch terminals**
9/17	**8WA Insta or three-tier terminals**
9/19	**8WA two-tier terminals**
9/21	**8WA two-tier terminals with electronic components**
9/23	**8WA diode and isolating terminals**
9/24	**8WA terminals for components**
9/25	**8WA fuse terminals**
9/26	**8WA through-type terminals with soldered and plug-in connection**
9/27	**8WA measuring transformer terminals**

[1)] Also available as a PE version

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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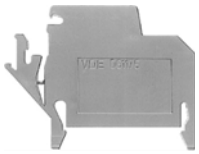
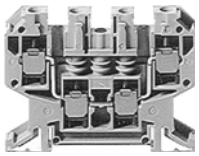
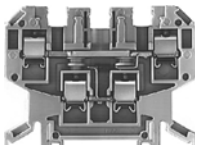
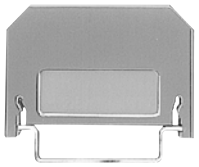
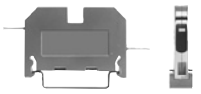
Overview

	Devices	Page	Function
	8WA through-type terminals	9/9	Connection of incoming and outgoing cables up to 70 mm^2
	8WA N-conductor isolating and branch terminals	9/15	N-conductor isolating terminals connected to N-busbar 6 × 6 mm
	8WA Insta or three-tier terminals	9/17	These terminals have up to three terminal functions in a single enclosure and may also have an N-isolating terminal connection to an N-busbar 6 × 6 mm. They are optimized for distribution board applications in installation technology
	8WA two-tier terminals	9/19	Compact design of the terminal blocks, in which two connecting wires can be installed
	8WA two-tier terminals with electronic components	9/21	Terminal blocks with integrated diodes
	8WA diode and isolating terminals	9/23	Terminal blocks with integrated diodes or isolation for testing purposes
	8WA terminals for components	9/24	Terminals that enable installation of components in the circuit
	8WA fuse terminals	9/25	Terminals which can be used to protect control circuits, for example
	8WA through-type terminals with soldered and plug-in connection	9/26	Terminals with connection for soldered or plug-in connection
	8WA measuring transformer terminals	9/27	Measuring transformer terminals can be used for testing and isolating circuits in switchboards, control rooms, etc. without interrupting operation

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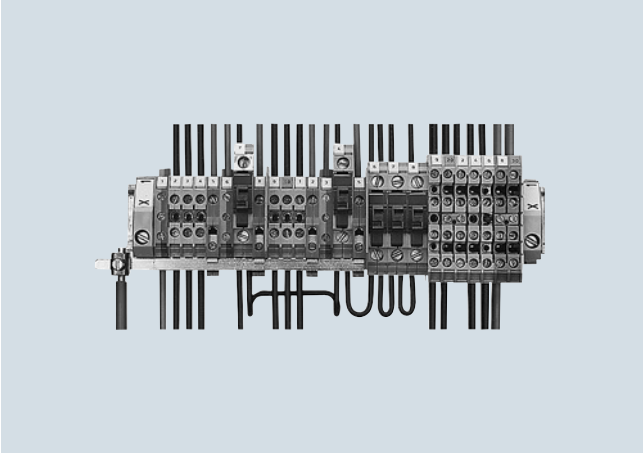
Overview



Terminal strips with different terminal blocks: 8WA1011-1DG11 terminal blocks, 8WA1011-1NG31 N-conductor isolating terminals with feeder terminal for N-busbar 6 × 6 mm, 8WA1011-1PG00 PE terminals, 8WA1011-1SF12 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 cables in switchboards 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 acc. to IEC 60529 and DIN EN 50274 (except for bare terminals and solder 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 rated cross-section for 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 connection to the support rail)

Design

The terminal blocks are insulated at both ends, with the exception of two-tier, flat and bolt-type terminals, which are insulated on one side only.

The insulating material for terminal sizes up to 70 mm^2 is made of thermoplast, 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. Deformation of the thread part prevents loosening of the clamping screw, even in the event of heavy mechanical and thermal strain (e.g. 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 connection

Except for flat and bolt-type versions, all terminal bodies 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.

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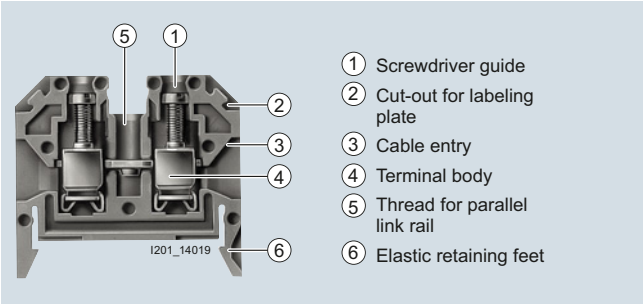
General data on 8WA

Connection of aluminum conductors

Siemens screw terminals are suitable for connecting aluminum conductors provided there is compliance with the normal processing guidelines, i.e. the brushing and greasing of the conductors before connection.

After a few days, the connection should be tightened again for safety reasons.



8WA1 through-type terminal with screw terminal 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 terminals establish 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 N-conductor isolating terminals can be arranged according to user requirements. This makes the individual circuits clearly manageable.

The bare 8WA1010-1PH01 PE terminals are primarily used for connecting the shields of shielded cables. They are normally mounted on a standard mounting rail, which is supported by an 8WA1857 insulation carrier and which is equipped with only one PE terminal for connection to the PE conductor.

Accessories

Parallel connection bars

The connection bars are screwed into the terminals from above and allow parallel connection of up to 10 terminals up to terminal size 35 mm². The 10-pole connection bars can be shortened as required. On 70 mm² terminals the connection bars are two-pole.

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 connection bars and the improvement of the rated insulation voltage for soldered and plug-in connections.

Insulation plates

8WA1825 and 8WA1822-7TK00 insulation plates can be used with different terminals for providing electrical insulation between connection bars.

Disconnecting links

The 8WA1865 disconnecting links provide a detachable connection between two adjacent terminals sizes 2.5 to 6 mm².

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 end labeling plates

End retainers are available in thermoplastic or galvanized and chromated steel. The end labeling plate can be fitted in an 8WA1808 end retainer or, in any of three positions, in an 8WA1805 end retainer.

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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 use Cu busbars.

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	5ST1141	16
	Steel, perforated	5ST1145	16
Similar to 35 × 15	Steel	5ST1142	35
	Steel	--	50
	Copper	8WA7551	150 [1]

[1] With 8WA1010-1PQ00 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	8WA1011-.SF. ., 8WA1011-1EE00	M3.5	0.8 × 4	0.8	40	10
2.5	8WA1. .1, 8WA1011-1BF11, 8WA1011-1EF . .	M2.5 and M3	0.5 × 3	0.5	50	11
	8WA1011- . . F . .	M2.5	0.8 × 4	0.5	50	11
4	8WA1011- . . G . . 8WA2867	M3 M3.5	0.8 × 4	0.5 0.8 ... 1	60	11
6	8WA1. .2, 8WA1011- . . H . .	M3.5	0.8 × 4	0.8	80	11
16	8WA1. .4, 8WA1011- . . K . .	M4	0.8 × 4	1.2	100	13
25	8WA2868	M5	1.2 × 6.5	2	135	
35	8WA1. .5, 8WA1011- . . M . . 8WA2870	M6	1.2 × 6.5	2.5 2.5 ... 3	190	17
50	8WH1000-0AN00, 8WH1000-0AN01, 8WH1000-0CN07	M6	1.2 × 8	6 ... 8	--	24
	8WH1070-0AN00	M6	--	3 ... 7	--	6 ... 25
70	8WA1 . .6	M8	4 hexagon socket-head	6	285	25
95	8WA1010-1PQ00	M8	6 hexagon socket-head	15 ... 20		30
	8WH1000-0AQ00, 8WH1000-0AQ01	M8	6 hexagon socket-head	15 ... 20	--	33
	8WH1000-0CQ07	M8	6 hexagon socket-head	15 ... 20	--	30
	8WH1070-0AQ00	M8	--	6 ... 15	--	16... 25
	8WH1060-0AQ00	M8	--	25 ... 30	--	29
150	8WH1000-0AS0.	M10	8 hexagon socket-head	25 ... 30	--	40
	8WH1070-0AS00	M10	--	10 ... 18	--	10 ... 18
	8WH1060-0AS00	M10	--	25 ... 30	--	34
240	8WH1000-0AU0.	M10	10 hexagon socket-head	30 ... 35	--	40
	8WH1060-0AU00	M10	--	30 ... 35	--	34

[1] Tightening torque also applicable for accessories (socket, connection bars, etc.).

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General data on 8WA

Rated impulse withstand voltage of terminal blocks

Values dependent on the mains rated voltage ≤ rated insulation voltage of terminal block; excerpt from EN 60947-1, table H.1.

Terminal blocks are tested acc. to overvoltage category III.

Rated mains voltage (≤ rated insulating voltage of the device)		Maximum rated operating 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 V 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	8WA1011-.SF . . , 8WA1011-1EE00	1	--	--	0.75	0.75 ... 10	2.5	--	--	1.5	1.5 ... 10
2.5	8WA1211, 8WA1011-. .F. .	0.25 [2]	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	2.5 ... 12 [4]
	8WA1011-3JF . .	0.25 [2]	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	2.5 ... 7
	8WA1501, 8WA1511, 8WA1011-1EF . .	0.25 [2]	0.5	0.5	0.5	0.5 ... 10	4	2.5	2.5	2.5	1.5 ... 10
4	8WA9200	0.5	1.5	1.5	0.75	0.75 ... 10	6	4	4	4	4
	8WA286. Feeder terminals	1	1.5	1.5	0.75	0.75 ... 10	6	4	4	4	4 ... 12 [4]
	8WA1011-. .G..	0.5	1.5	0.5	0.75	0.75 ... 10	6	4	4	4	4 ... 12 [4]
6	8WA1011-1.H..	0.75	1.5	1.5	0.5	0.5 ... 10	10	6	6	6	6 ... 12
	8WA1010-1PH01	0.5	1.5	1.5	0.5	0.5 ... 10	10	6	6	6	6 ... 15
16	8WA1204, 8WA1304, 8WA1011-1BK11	1.5	2.5	2.5	1	1 ... 10 [3]	16	25	16	16	16 ... 12
	8WA1604	1.5	2.5	4	1.5	1 ... 10 [3]	16	25	16	16	16 ... 12
	8WA1011-1PK00	1.5	2.5	4	1.5	1.5 ... 7 [6]	16	25	16	16	16 ... 15
	8WA286. Feeder terminals	1.5	2.5	4	2.5	2.5 ... 12	16	16	10	10	10 ... 12
25	8WH1060-0AL00	--	--	4	4	--	--	--	25	25	--
35	8WA1205, 8WA1305, 8WA1011-1BM11	4	10	6	6	6 ... 15	16 [5]	50	35	35	35 ... 18 [7]
	8WA1011-1PM00	4	10	10	6	6 ... 15	16 [5]	50	35	25	25 ... 15
	8JH4114 Feeder terminals	6	10	16	6	6 ... 15	16	35	25	25	25 ... 15
	8WA2870	6	10	16	6	6 ... 15	16	35	25	25	25 ... 15
50	8WH1000-0AN00	--	--	10	10	--	--	--	50	50	--
	8WH1000-0AN01	--	--	10	10	--	--	--	50	50	--
	8WH1000-0CN07	--	--	25	25	--	--	--	50	50	--
	8WH1070-0AN00	--	--	6 [1]	--	--	--	--	--	35 [1]	--
	8WH1060-0AN00	--	--	25	25	--	--	--	50	50	--
70	8WA1206	10	16	16	16	16 ... 12 [6]	95	95	95	--	--
95	8WA1010-1PQ00	--	50	50	--	--	--	95	95	--	--
	8WH1000-0AQ00	--	--	35	35	--	--	--	95	95	--
	8WH1000-0AQ01	--	--	35	35	--	--	--	95	95	--
	8WH1000-0CQ07	--	--	35	35	--	--	--	35	95	--
	8WH1070-0AQ00	--	--	--	16 [1]	--	--	--	--	35 [1]	--
	8WH1060-0AQ00	--	--	35	35	--	--	--	95	95	--
150	8WH1000-0AS00, 8WH1000-0AS01	--	--	50	50	--	--	--	150	150	--
	8WH1060-0AS00	--	--	50	50	--	--	--	150	150	--
240	8WA1011-1DU..	--	--	--	--	--	--	240	240	--	--
	8WH1000-0AU00, 8WH1000-0AU01	--	--	70	70	--	--	--	185	185	--
	8WH1060-0AU00										

[1] End sleeves acc. to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

[2] 0.12/0.25 mm² corresponds to Ø 0.4/0.6 mm.

[3] For 0.75 mm² conductors, use end sleeves 1 to 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 one after the other (up to stop).

[7] Voltage reduction to 630 V required.

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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	8WA1011-. SF . ., -1EE00	2 × 1	--	--	2 × 0.75	1 ... 10 [2]	2 × 2.5	--	--	2 × 1.5	1.5 ... 10
2.5	8WA1211, 8WA1011-. .F. .	2 × 0.12 [3]	2 × 0.5	2 × 0.5	2 × 0.5 [4]	0.75 ... 6	2 × 0.75	2 × 0.5	2 × 0.5	2 × 1.5 [4]	1.5 ... 10
	8WA1501, 8WA1511, 8WA1011-1EF . .	2 × 0.12 [3]	2 × 0.5	2 × 0.25	--	--	2 × 0.75	2 × 0.5	2 × 0.75	--	--
4	8WA1011-. .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
	8WA1011-2DG11	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
	8WA1011-6DG11, 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
	8WA1011-6DG11, 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
	8WA1011-1PG00	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
	8WA1011-1PG11, -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	8WA1011-1 . 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
	8WA1010-1PH01	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	8WA1204, 8WA1304, 8WA1604, 8WA1011-1BK11	2 × 1	2 × 2.5	2 × 2.5	2 × 1	1 ... 10	2 × 4	2 × 4	2 × 4	2 × 4	4 ... 12
	8WA1734	2 × 2.5	--	--	2 × 1.5	1.5 ... 7 [5]	2 × 4	2 × 4	2 × 4	2 × 4	4 ... 12
35	8WA1205, 8WA1305, 8WA1011-1BM11, 8WA1735	2 × 4	2 × 10	2 × 6	2 × 6	6 ... 15	2 × 10	2 × 10	2 × 10	2 × 10	10 ... 15
50	8WH1000-0AN00, 8WH1000-0AN01, 8WH1000-0CN07	2 × 10	2 × 10	2 × 10	2 × 10	--	2 × 35	2 × 35	2 × 35	2 × 35	--
70	8WA1206	2 × 10	2 × 10	2 × 10	2 × 10	10 ... 12 [5]	2 × 16	2 × 16	2 × 16	2 × 16	16 ... 12 [6]
95	8WH1000-0AQ00, 8WH1000-0AQ01, 8WH1000-0CQ07	2 × 25	2 × 25	2 × 25	2 × 25	--	2 × 35	2 × 35	2 × 35	2 × 35	--
150	8WH1000-0AS00, 8WH1000-0AS01	2 × 25	2 × 25	2 × 25	2 × 25	--	2 × 50	2 × 50	2 × 50	2 × 50	--
240	8WH1000-0AU00, 8WH1000-0AU01	2 × 35	2 × 35	2 × 35	2 × 35	--	2 × 95	2 × 95	2 × 95	2 × 95	--

[1] End sleeves acc. to DIN 46228 Sheet 1 without insulation. Size corresponds to sleeve nominal size.

[2] For 0.75 mm² conductors, use end sleeves 1 to 10 and press on with insert E1 or PZ 1.5 (crimping tool size 1.5).

[3] 0.12/0.25 mm² corresponds to Ø 0.4/0.6 mm.

[4] With PZ 1.5 (crimping tool size 1.5) on top of each other

[5] Fit and press on two end sleeves one after the other (up to stop). Voltage reduction to 630 V required

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

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General data on 8WA

and rating

Terminal size mm²	Type	CSA rating AWG	Rated current I_n A	Rated voltage U_e V	UR rating AWG	Rated current I_n A	Rated voltage U_e V
1.5	8WA1011-1SF12	18 ... 14	6.3	600	18 ... 14	6.3	600
	8WA1011-1SF24, -2SF24, -4SF24	14	1	--	14 ... 12	1	AC 240/DC 60
	8WA1011-1SF25, -2SF25, -4SF25	14	2	--	14 ... 12	2	AC 240/DC 60
	8WA1011-1SF26, -2SF26, -4SF26	14	4	--	14 ... 12	4	AC 240/DC 60
	8WA1011-1SF27, -2SF27, -4SF27	14	6	--	14 ... 12	6	AC 240/DC 60
	8WA1011-1SF28, -2SF28, -4SF28	14	10	--	14 ... 12	10	AC 240/DC 60
2.5	8WA1011-1BF21, -1BF22, -1BF23, -1PF11	18 ... 12	25	600	22 ... 12	26	600
	8WA1011-1DF11, -3DF21, -0DF21, -0DF22	18 ... 12	25	600	22 ... 12	26	600
	8WA1011-1NF01, -1NF02	22 ... 12	26	600	22 ... 12	26	600
	8WA1011-3JF..	--	--	--	22 ... 12	26	300
	8WA1011-1PF00, 8WA1011-1PF01	22 ... 12	--	--	22 ... 12	--	--
	8WA1501	22 ... 12	10	300 D	22 ... 12	10	300
4	8WA1011-1PG00, 8WA1011-1PG01	18 ... 10	--	--	18 ... 10	--	--
	8WA1011-1BG11, -1BG21, -1BG22	18 ... 10	40	600	18 ... 10	35	600
	8WA1011-1DG11, -3DG21, -0DG21, -0DG22	18 ... 10	40	600	18 ... 10	35	600
	8WA1011-1NG31, -1NG32	18 ... 10	40	600	18 ... 10	35	600
	8WA1011-1PG11	18 ... 10	40	600	--	--	--
	8WA1011-2BG11, -2DG11	18 ... 10	40	300	18 ... 10	35	600
	8WA1011-6BG11, -6DG11	18 ... 10	40	300	18 ... 10	35	600
	8WA1011-6EG..	--	--	--	18 ... 10	34	300
	8WA9200	18 ... 10	25	300	18 ... 10	26	600
6	8WA1011-1PH00	--	--	--	14 ... 8	--	--
	8WA1011-1BH23, -1PH11	16 ... 10	35	600	14 ... 8	44	600
	8WA1011-1DH11, -3DH21	16 ... 8	35	600	14 ... 8	44	600
	8WA1011-1NH01, -1NH02	14 ... 8	44	600	14 ... 8	44	600
	8WA1011-1MH10, -1MH11, -1MH15	16 ... 10	35/40	600/300 C/D	14 ... 8	44	600/300
	8WA1232	--	--	--	--[1]	24	600
16	8WA1011-1BK11	14 ... 6	70	600	12 ... 4	79	600
	8WA1011-1PK00	12 ... 4	--	--	12 ... 4	--	--
	8WA1012-1DK10	--	--	--	--	79	600
	8WA1204, 8WA1304	14 ... 6	70	600	12 ... 4	79	600
	8WA1604	--	--	--	12 ... 4	73	300
25	8WH1060-0AL00	6 ... 4	100	600	6 ... 4	85	600
35	8WA1011-1BM11	12 ... 2	100	600	10 ... 1	120	600
	8WA1011-1PM00	10 ... 1	--	--	10 ... 1	--	--
	8WA1205, 8WA1305	12 ... 2	100	600	10 ... 1	120	600
50	8WH1000-0AN00, 8WH1000-0AN01	6 ... 0	125	600	6 ... 0	150	600
	8WH1000-0CN07	--	--	--	6 ... 1		
	8WH1060-0AN00	6 ... 0	125	600	6 ... 0	150	600
70	8WA1012-1DP14	2/0 ... 1	170	600	6 ... 3/0	--	600
	8WA1206	8 ... 1/0	150	600	8 ... 3/0	220	600
95	8WH1000-0AQ00, 8WH1000-0AQ01	1 ... 000	220	600	2 ... 000	230	600
	8WH1000-0CQ07	2 ... 4			2 ... 4		
	8WH1060-0AQ00	2 ... 000	200	600	2 ... 000	230	600
150	8WH1000-0AS0, 8WH1000-0AS01	2 ... 300 kcmil	275	600	2 ... 300 kcmil	285	600
	8WH1060-0AS00	2 ... 300 kcmil	275	600	2 ... 300 kcmil	285	600
240	8WH1000-0AU00, 8WH1000-0AU01	0 ... 500 kcmil	400	600	0 ... 500 kcmil	380	600
	8WH1000-0AU00	0 ... 500 kcmil	400	600	0 ... 500 kcmil	380	600

[1] Plug-in connection

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Selection and ordering data

	Version			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Screw terminal at both ends • Enclosed at both ends								
	Note	Section	Page						
	For labeling accessories, see ...	*Accessories*	8/2						
Terminal size 2.5 mm²									
 8WA1011-1DF11	**Through-type terminals, terminal size 2.5 mm²** • Rated uninterrupted current 24 A • Rated insulation voltage 800 V • Mounting width 6 mm • Terminal height 26 mm • Terminal length 41 mm • AWG 22-12 • AWG 18-12								
	Versions								
	• Single terminals								
	- Beige				**8WA1011-1DF11**		1	100 units	1BT
	- Blue				**8WA1011-1BF23**		1	50 units	1BT
	- Red				**8WA1011-1BF21**		1	50 units	1BT
 8WA1011-3DF21	- Orange				**8WA1011-1BF22**		1	50 units	1BT
	- Yellow				**8WA1011-1BF26**		1	50 units	1BT
	- Black				**8WA1011-1BF24**		1	50 units	1BT
	- Green				**8WA1011-1BF25**		1	50 units	1BT
	• Terminal blocks								
	- Beige, 3-pole, width 18 mm				**8WA1011-3DF21**		1	10 units	1BT
	- Beige, 10-pole, width 61 mm, with designation 1 ... 10				**8WA1011-0DF22**		1	20 units	1BT
 8WA1011-0DF21	- Beige, 10-pole, width 61 mm, without inscription				**8WA1011-0DF21**		1	20 units	1BT
	Accessories	Section	Page						
	Covers								
	• With lightning symbol, for terminal size 1.5 ... 2.5 mm²	*Accessories*	9/13		**8WA1810**		1	50 units	1BT
	• White, facility for labeling, for terminal size 1.5 ... 2.5 mm²	*Accessories*	9/13		**8WA1860**		1	50 units	1BT
	• For connection bars:								
	- Transparent, for terminal size 2.5 ... 6 mm²	*Accessories*	9/13		**8WA1822-7AX01**		1	10 units	1BT
	- White, facility for labeling, for terminal size 2.5 to 6 mm²	*Accessories*	9/13		**8WA1822-7AX03**		1	10 units	1BT
	Jumpers, for terminal size 2.5 mm²	*Accessories*	9/13		**8WA1822-7VF01**		1	50 units	1BT
	Disconnecting links	*Accessories*	9/14		**8WA1865**		1	50 units	1BT
	Note								
	Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1820 barriers are required.								
	• Insulation plates, for terminal size 2.5 to 6 mm²	*Accessories*	9/14		**8WA1825**		1	50 units	1BT
	• Connection bars, for terminal size 2.5 mm²								
	- For two terminals	*Accessories*	9/14		**8WA1895**		1	50 units	1BT
	- For three terminals	*Accessories*	9/14		**8WA1896**		1	50 units	1BT
	- For four terminals	*Accessories*	9/14		**8WA1897**		1	20 units	1BT
	- For ten terminals	*Accessories*	9/14		**8WA1898**		1	10/200 units	1BT
	• Barriers, for terminal size 1.5 ... 4 mm²	*Accessories*	9/14		**8WA1820**		1	50 units	1BT
 8WA1011-1PF01	**PE through-type terminals, terminal size 2.5 mm²** • Green/yellow • Mounting width 6 mm • Terminal height 26 mm • Terminal length 51 mm								
	Versions								
	• One screw terminal				**8WA1011-1PF01**		1	50 units	1BT
	• Two screw terminals				**8WA1011-1PF00**		1	50 units	1BT
	Accessories	Section	Page						
	Barriers, for terminal size 1.5 ... 4 mm²	*Accessories*	9/14		**8WA1820**		1	50 units	1BT

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* You can order this quantity or a multiple thereof.

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8WA through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 4 mm²							
8WA1011-1DG11	**Through-type terminals, terminal size 4 mm²** • Rated uninterrupted current 32 A • Rated insulation voltage 800 V • Mounting width 6.5 mm • Terminal height 30 mm • Terminal length 41 mm • AWG 18-10 • AWG 18-10						
	Versions						
	• Single terminals						
	- Beige		**8WA1011-1DG11**		1	100 units	1BT
	- Blue		**8WA1011-1BG11**		1	50 units	1BT
	- Red		**8WA1011-1BG21**		1	50 units	1BT
	- Orange		**8WA1011-1BG22**		1	50 units	1BT
	- Black		**8WA1011-1BG24**		1	50 units	1BT
	• Terminal blocks						
	- Beige, 3-pole, width 19.5 mm		**8WA1011-3DG21**		1	10 units	1BT
	- Beige, 10-pole, width 65.5 mm, labeled 1 ... 10		**8WA1011-0DG22**		1	20 units	1BT
8WA1011-0DG21	- Beige, 10-pole, width 65.5 mm, without labeling		**8WA1011-0DG21**		1	20 units	1BT
	Accessories / Section / Page						
	Covers						
	• With lightning symbol, for terminal size 4 and 6 mm² — *Accessories* 9/13		**8WA1811**		1	50 units	1BT
	• White, facility for labeling, for terminal sizes 4 and 6 mm² — *Accessories* 9/13		**8WA1862**		1	50 units	1BT
	• For connection bars:						
	- Transparent, for terminal size 2.5 to 6 mm² — *Accessories* 9/13		**8WA1822-7AX01**		1	10 units	1BT
	- White, facility for labeling, for terminal size 2.5 to 6 mm² — *Accessories* 9/13		**8WA1822-7AX03**		1	10 units	1BT
	Jumpers, for terminal size 4 mm² — *Accessories* 9/13		**8WA1822-7VG00**		1	50 units	1BT
	Disconnecting links — *Accessories* 9/14		**8WA1865**		1	50 units	1BT
	Note						
	Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1820 barriers are required.						
	• Insulation plates, for terminal size 2.5 to 6 mm² — *Accessories* 9/14		**8WA1825**		1	50 units	1BT
	• Connection bars, for terminal size 4 mm²						
	- For two terminals — *Accessories* 9/14		**8WA1850**		1	50 units	1BT
	- For three terminals — *Accessories* 9/14		**8WA1851**		1	50 units	1BT
	- For four terminals — *Accessories* 9/14		**8WA1852**		1	20 units	1BT
	- For ten terminals — *Accessories* 9/14		**8WA1853**		1	10 units	1BT
	• Barriers, for terminal size 1.5 ... 4 mm² — *Accessories* 9/14		**8WA1820**		1	50 units	1BT
8WA1011-1PG01	**PE through-type terminals, terminal size 4 mm²** • Green/yellow • Mounting width 7.2 mm • Terminal height 30 mm • Terminal length 51 mm •						
	Versions						
	• One screw terminal		**8WA1011-1PG01**		1	50 units	1BT
	• Two screw terminals		**8WA1011-1PG00**		1	50 units	1BT
	Accessories / Section / Page						
	Barriers, for terminal size 1.5 ... 4 mm² — *Accessories* 9/14		**8WA1820**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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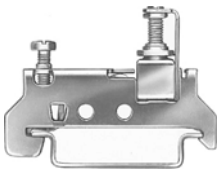
	Version			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 6 mm²									
8WA1011-1DH11	**Through-type terminals, terminal size 6 mm²** • Rated uninterrupted current 41 A • Rated insulation voltage 800 V • Mounting width 8 mm • Terminal height 33 mm • Terminal length 41 mm • AWG 14-8 • AWG 16-8								
	Versions								
	• Single terminals								
	- Beige				**8WA1011-1DH11**		1	50 units	1BT
	- Blue				**8WA1011-1BH23**		1	50 units	1BT
	- Black				**8WA1011-1BH24**		1	50 units	1BT
8WA1011-3DH21	• Terminal blocks								
	- Beige, 3-pole, width 24.5 mm				**8WA1011-3DH21**		1	20 units	1BT
	Accessories	Section	Page						
	• *Covers*								
	- *With lightning symbol, for terminal size 4 to 6 mm²*	*Accessories*	9/13		**8WA1811**		1	50 units	1BT
	- *White, facility for labeling, for terminal sizes 4 and 6 mm²*	*Accessories*	9/13		**8WA1862**		1	50 units	1BT
	- *For connection bars, transparent, for terminal size 2.5 ... 6 mm²*	*Accessories*	9/13		**8WA1822-7AX01**		1	10 units	1BT
	• *Jumpers, for terminal size 6 mm²*	*Accessories*	9/13		**8WA1822-7VH00**		1	50 units	1BT
	• *Disconnecting links*	*Accessories*	9/14		**8WA1865**		1	50 units	1BT
	Note								
	Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1820 barriers are required.								
	• *Insulation plates, for terminal size 2.5 to 6 mm²*	*Accessories*	9/14		**8WA1825**		1	50 units	1BT
	• *Connection bars, for terminal size 6 mm²*								
	- *For two terminals*	*Accessories*	9/14		**8WA1885**		1	50 units	1BT
	- *For three terminals*	*Accessories*	9/14		**8WA1886**		1	50 units	1BT
	- *For four terminals*	*Accessories*	9/14		**8WA1887**		1	20 units	1BT
	- *For ten terminals*	*Accessories*	9/14		**8WA1888**		1	10 units	1BT
	• *Barriers, for terminal size 6 and 16 mm²*	*Accessories*	9/14		**8WA1821**		1	50 units	1BT
 8WA1010-1PH01	**PE through-type terminals, terminal size 6 mm², one screw terminal** • Bare • Mounting width 6 mm • Terminal height 25 mm • Terminal length 44 mm • Also for use as shield terminal				**8WA1010-1PH01**		1	50 units	1BT
	Accessories	Section	Page						
	Barriers, for terminal size 6 and 16 mm²	*Accessories*	9/14		**8WA1821**		1	50 units	1BT
8WA1011-1PH00	**PE through-type terminals, terminal size 6 mm², two screw terminals** • Green/yellow • Mounting width 8 mm • Terminal height 33 mm • Terminal length 51 mm •				**8WA1011-1PH00**		1	50 units	1BT
	Accessories	Section	Page						
	Barriers, for terminal size 6 and 16 mm²	*Accessories*	9/14		**8WA1821**		1	50 units	1BT

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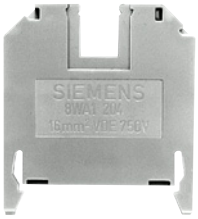
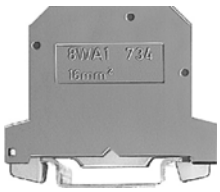
8WA through-type terminals

	Version			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 16 mm²									
 8WA1204	**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								
	• Single terminals								
	- Beige				**8WA1204**		1	20 units	1BT
	- Blue				**8WA1011-1BK11**		1	10 units	1BT
8WA1304	• Terminal blocks								
	- 3-pole, width 30 mm				**8WA1304**		1	20 units	1BT
	Accessories	Section	Page						
	• *Covers*								
	- *With lightning symbol, for terminal size 16 mm²*	*Accessories*	9/13		**8WA1812**		1	50 units	1BT
	- *White, facility for labeling, for terminal size 16 mm²*	*Accessories*	9/13		**8WA1892**		1	50 units	1BT
	- *For connection bars, transparent, for terminal sizes 16 and 35 mm²*	*Accessories*	9/13		**8WA1822-7AX02**		1	10 units	1BT
	• *Insulation plates, for terminal size 16 and 35 mm²*	*Accessories*	9/14		**8WA1822-7TK00**		1	50 units	1BT
	• *Connection bars, for terminal size 16 mm²*								
	- *For two terminals*	*Accessories*	9/14		**8WA1842**		1	20 units	1BT
	- *For three terminals*	*Accessories*	9/14		**8WA1845**		1	20 units	1BT
	- *For four terminals*	*Accessories*	9/14		**8WA1848**		1	10 units	1BT
	- *For ten terminals*	*Accessories*	9/14		**8WA1802**		1	10 units	1BT
	• *Barriers, for terminal size 6 and 16 mm²*	*Accessories*	9/14		**8WA1821**		1	50 units	1BT
 8WA1011-1PK00	**PE through-type terminals and PEN through-type 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 •				**8WA1011-1PK00**		1	25 units	1BT
	Accessories	Section	Page						
	Barriers, for terminal size 6 and 16 mm²	*Accessories*	9/14		**8WA1821**		1	50 units	1BT
Terminal size 35 mm²									
8WA1205	**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								
	• Single terminals								
	- Beige				**8WA1205**		1	20 units	1BT
	- Blue				**8WA1011-1BM11**		1	10 units	1BT
8WA1305	• Terminal blocks								
	- 3-pole, width 48 mm				**8WA1305**		1	20 units	1BT
	Accessories	Section	Page						
	• *Covers*								
	- *With lightning symbol, for terminal size 35 mm²*	*Accessories*	9/13		**8WA1813**		1	50 units	1BT
	- *White, facility for labeling, for terminal size 35 mm²*	*Accessories*	9/13		**8WA1893**		1	50 units	1BT
	- *For connection bars, transparent, for terminal sizes 16 and 35 mm²*	*Accessories*	9/13		**8WA1822-7AX02**		1	10 units	1BT
	• *Insulation plates, for terminal size 16 and 35 mm²*	*Accessories*	9/13		**8WA1822-7TK00**		1	50 units	1BT
	• *Connection bars, for terminal size 35 mm²*								
	- *For two terminals*	*Accessories*	9/14		**8WA1828**		1	20 units	1BT
	- *For three terminals*	*Accessories*	9/14		**8WA1803**		1	20 units	1BT
	- *For ten terminals*	*Accessories*	9/14		**8WA1804**		1	10 units	1BT
	• *Barriers, for terminal size 35 mm²*	*Accessories*	9/14		**8WA1823**		1	25 units	1BT

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	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WA1011-1PM00	**PE through-type terminals and PEN through-type terminals, terminal size 35 mm²** • Green/yellow • For I = 125 A • Mounting width 16 mm • Terminal height 50 mm • Terminal length 53 mm • Two screw terminals •		**8WA1011-1PM00**		1	25 units	1BT
	Accessories / Section / Page						
	Barriers, for terminal size 35 mm² / *Accessories* / 9/13		**8WA1823**		1	25 units	1BT
Terminal size 70 mm²							
8WA1206	**Through-type terminals, terminal size 70 mm²** • Rated uninterrupted current 192 A • Rated insulation voltage 800 V • Mounting width 25 mm • Terminal height 64.5 mm • Terminal length 73.5 mm • AWG 8-3/0 • AWG 8-1/0						
	Versions						
	• Beige		**8WA1206**		1	10/60 units	1BT
	• Blue		**8WA1011-1BP11**		1	10 units	1BT
	Accessories / Section / Page						
	• *Covers, with lightning symbol, for terminal size 70 mm²* / *Accessories* / 9/13		**8WA1814**		1	50 units	1BT
	• *Connection bars, for terminal size 70 mm², for 2 terminals* / *Accessories* / 9/13		**8WA1216**		1	20 units	1BT
	• *Barriers, for terminal size 70 mm²* / *Accessories* / 9/13		**8WA1824**		1	25 units	1BT
Accessories							
	Covers						
	Versions						
8WA1810	• With lightning symbol						
	- For terminal size 1.5 up to 2.5 mm²		**8WA1810**		1	50 units	1BT
	- For terminal sizes 4 and 6 mm²		**8WA1811**		1	50 units	1BT
	- For terminal size 16 mm²		**8WA1812**		1	50 units	1BT
	- For terminal size 35 mm²		**8WA1813**		1	50 units	1BT
	- For terminal size 70 mm²		**8WA1814**		1	50 units	1BT
8WA1860	• White, facility for labeling						
	- For terminal size 1.5 up to 2.5 mm²		**8WA1860**		1	50 units	1BT
	- For terminal sizes 4 and 6 mm²		**8WA1862**		1	50 units	1BT
	- For terminal size 16 mm²		**8WA1892**		1	50 units	1BT
	- For terminal size 35 mm²		**8WA1893**		1	50 units	1BT
8WA1822-7AX01	• For connection bars, transparent						
	- For terminal size 2.5 to 6 mm²		**8WA1822-7AX01**		1	10 units	1BT
	- For terminal sizes 16 and 35 mm²		**8WA1822-7AX02**		1	10 units	1BT
	• For connection bars, white, facility for labeling, for terminal size 2.5 to 6 mm²		**8WA1822-7AX03**		1	10 units	1BT
8WA1822-7VF01	**Jumpers** For connection bars						
	Versions						
	• For terminal size 2.5 mm²		**8WA1822-7VF01**		1	50 units	1BT
	• For terminal size 4 mm²		**8WA1822-7VG00**		1	50 units	1BT
	• For terminal size 6 mm²		**8WA1822-7VH00**		1	50 units	1BT
8WA1808	**End retainers, thermoplastic** Width 10 mm		**8WA1808**		1	50 units	1BT

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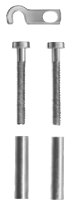
8WA through-type terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
 8WA1865	**Disconnecting links** Up to 32 A		8WA1865		1	50 units	1BT
	Note						
	Between terminals with terminal sizes 2.5 and 6 mm², two 8WH1820 barriers are required.						
8WA1825	**Insulation plates**						
	Versions						
	• For terminal size 2.5 to 6 mm²		8WA1825		1	50 units	1BT
	• For terminal sizes 16 and 35 mm²		8WA1822-7TK00		1	50 units	1BT
8WA1895	**Connection bars**						
	Versions						
	• For terminal size 2.5 mm²						
	- For two terminals		8WA1895		1	50 units	1BT
	- For three terminals		8WA1896		1	50 units	1BT
	- For four terminals		8WA1897		1	20 units	1BT
	- For ten terminals		8WA1898		1	10/200 units	1BT
	• For terminal size 4 mm²						
	- For two terminals		8WA1850		1	50 units	1BT
	- For three terminals		8WA1851		1	50 units	1BT
	- For four terminals		8WA1852		1	20 units	1BT
	- For ten terminals		8WA1853		1	10 units	1BT
	• For terminal size 6 mm²						
	- For two terminals		8WA1885		1	50 units	1BT
	- For three terminals		8WA1886		1	50 units	1BT
	- For four terminals		8WA1887		1	20 units	1BT
	- For ten terminals		8WA1888		1	10 units	1BT
	• For terminal size 16 mm²						
	- For two terminals		8WA1842		1	20 units	1BT
	- For three terminals		8WA1845		1	20 units	1BT
	- For four terminals		8WA1848		1	10 units	1BT
	- For ten terminals		8WA1802		1	10 units	1BT
	• For terminal size 35 mm²						
	- For two terminals		8WA1828		1	20 units	1BT
	- For three terminals		8WA1803		1	20 units	1BT
	- For ten terminals		8WA1804		1	10 units	1BT
	• For terminal size 70 mm²						
	- For two terminals		8WA1216		1	20 units	1BT
8WA1820	**Barriers**						
	Versions						
	• For terminal size 1.5 ... 4 mm²		8WA1820		1	50 units	1BT
	• For terminal sizes 6 and 16 mm²		8WA1821		1	50 units	1BT
	• For terminal size 35 mm²		8WA1823		1	25 units	1BT
	• For terminal size 70 mm²		8WA1824		1	25 units	1BT

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Overview

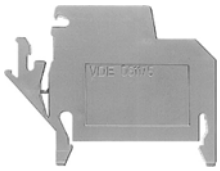
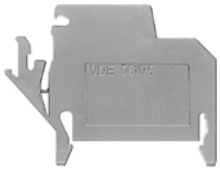
N-conductor isolating terminals permit an insulation test to be performed without disconnecting the neutral conductor according to DIN VDE 0108 and DIN VDE 0100 (Standards for the erection of power installations).

The branch terminals are used for the connection of lines (L), for example for power supplies, to the 6 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • 1 screw terminal and connection to the neutral conductor bar or 6 × 6 mm busbar acc. to DIN 1761 • Insulating body made of blue or beige thermoplastic • Enclosed at both ends						
	Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 2.5 mm²							
 8WA1011-1NF01	**N-conductor isolating terminals, terminal size 2.5 mm²** • Blue • Rated uninterrupted current 24 A • Rated insulation voltage 500 V • Mounting width 6 mm • Terminal height 35 mm • Terminal length 55 mm • With built-in test socket in the fixed part of the terminal • AWG 22-12 • AWG 22-12		**8WA1011-1NF01**		1	50 units	1BT
	Accessories — Section — Page						
	• *Covers, for connection bars* — *Accessories* 9/16		**8WA1822-7AX00**		1	10 units	1BT
	• *N-busbars, 6 × 6 mm* — *Accessories* 9/16		**8GF9324-2**		1	10 units	1BP
	• *Label holders* — *Accessories* 9/16		**3TX4210-0J**		100	100 units	41B
Terminal size 4 mm²							
 8WA1011-1NG31	**N-conductor isolating terminals, terminal size 4 mm²** • Blue • Rated uninterrupted current 32 A • Rated insulation voltage 500 V • Mounting width 6.5 mm • Terminal height 35 mm • Terminal length 55 mm • With built-in test socket in the fixed part of the terminal • AWG 18-10 • AWG 18-10		**8WA1011-1NG31**		1	50 units	1BT
	Accessories — Section — Page						
	• *Covers, for connection bars* — *Accessories* 9/16		**8WA1822-7AX00**		1	10 units	1BT
	• *Feeder terminals, for N-busbars* — *Accessories* 9/16		**8WA2867**		1	50 units	1BT
	• *N-busbars, 6 × 6 mm* — *Accessories* 9/16		**8GF9324-2**		1	10 units	1BP
	• *Label holders* — *Accessories* 9/16		**3TX4210-0J**		100	100 units	41B

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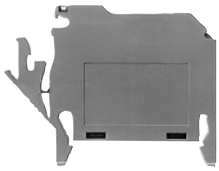
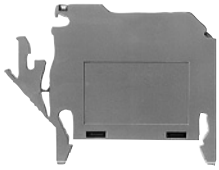
8WA N-conductor isolating and branch terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Terminal size 6 mm²							
 8WA1011-1NH01	**N-conductor isolating terminals, terminal size 6 mm²** • Blue • Rated uninterrupted current 41 A • Rated insulation voltage 500 V • Mounting width 8 mm • Terminal height 35 mm • Terminal length 55 mm • With built-in test socket in the fixed part of the terminal • AWL AWG 14-8 • CE AWG 14-8		**8WA1011-1NH01**		1	50 units	1BT
	Accessories / Section / Page						
	• *Covers, for connection bars* — *Accessories* 9/16		**8WA1822-7AX00**		1	10 units	1BT
	• *N-busbars, 6 × 6 mm* — *Accessories* 9/16		**8GF9324-2**		1	10 units	1BP
	• *Label holders* — *Accessories* 9/16		**3TX4210-0J**		100	100 units	41B
Terminal size 16 mm²							
 8WA1604	**N-conductor isolating terminals, terminal size 16 mm²** • Blue • Rated uninterrupted current 76 A • Rated insulation voltage 500 V • Mounting width 10 mm • Terminal height 35 mm • Terminal length 55 mm • AWL AWG 12-4		**8WA1604**		1	50 units	1BT
	Accessories / Section / Page						
	• *Covers, for connection bars* — *Accessories* 9/16		**8WA1822-7AX00**		1	10 units	1BT
	• *Feeder terminals, for N-busbars* — *Accessories* 9/16		**8WA2868**		1	50 units	1BT
	• *N-busbars, 6 × 6 mm* — *Accessories* 9/16		**8GF9324-2**		1	10 units	1BP
	• *Label holders* — *Accessories* 9/16		**3TX4210-0J**		100	100 units	41B
Accessories							
8WA1822-7AX00	**Covers, for connection bars** • Not for 8WA1604 • Length 155 mm		**8WA1822-7AX00**		1	10 units	1BT
8WA2870 / 868 / 867	**Feeder terminals, for N-busbars** • 6 × 6 mm and 10 × 3 mm • Bare						
	Versions						
	• Rated uninterrupted current 32 A, for connection of up to 4 mm²		**8WA2867**		1	50 units	1BT
	• Rated uninterrupted current 76 A, for connection of up to 25 mm²		**8WA2868**		1	50 units	1BT
	• Rated uninterrupted current 125 A, for connection of up to 35 mm²		**8WA2870**		1	50 units	1BT
8GF9324-2	**N-busbars, 6 × 6 mm** • Rated uninterrupted current 125 A • 1109 mm long • For four-field		**8GF9324-2**		1	10 units	1BP
	Note						
	Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net will be added.						
	Label holders		**3TX4210-0J**		100	100 units	41B

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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 modular width 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 cutout for an 8WA8 8.. inscription label . The protective conductor connections are already marked green-yellow and the neutral conductor connections blue.

The N-busbar has the same position for Insta terminals and N-conductor isolating terminals. This allows, for example, the use of a 16 mm² N-conductor isolating terminal as an infeed for the N-busbar.

8WA1011-3JF16, -3JF17 and -3JF18 allow the N-busbar to be routed with a mounting depth of 42.5 mm.

PE, L, NT Insta terminal

The 8WA1011-3JF20 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 × 6 mm N-busbar.

PE, L, N Insta terminals

If no neutral conductor isolation is required, the 8WA1011-3JF17 terminal is used:

- Protective conductor connection
- Through-type connection for one phase conductor
- Through-type connection for the neutral conductor

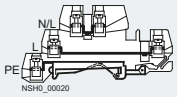
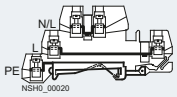
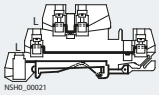
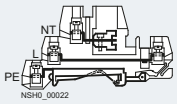
PE, L, L Insta terminal

Design of 8WA1011-3JF16 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

The 8AW1011-3JF18 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Screw terminal at both ends • Enclosed at both ends • Neutral terminal, 6 × 6 mm neutral conductor connection						
	Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 2.5 mm²							
 8WA1011-3JF16	**Insta terminals, terminal size 2.5 mm²** • Rated uninterrupted current 24 A • Rated insulation voltage - 400 V between phase conductors - 250 V between phase and protective conductors and for neutral isolating distance • Mounting width 6 mm • Terminal height 42.5 mm • Terminal length 87 mm • Screw terminals at both ends • AWG 22-12						
	Circuit diagram:  — Type: PE, L, L		**8WA1011-3JF16**		1	50 units	1BT
	Circuit diagram:  — Type: PE, L, N		**8WA1011-3JF17**		1	50 units	1BT
	Circuit diagram:  — Type: L, L		**8WA1011-3JF18**		1	50 units	1BT
	Circuit diagram:  — Type: PE, L, NT		**8WA1011-3JF20**		1	50 units	1BT
	Accessories: *Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²* — Section: *Accessories* — Page: 9/18		**8WA1822-7TH00**		1	50 units	1BT

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8WA Insta or three-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
	Covers Up to three terminals side-by-side						
	Versions						
	• With lightning symbol, for terminal size 4 and 6 mm²		8WA1811		1	50 units	1BT
	• White, facility for labeling, for terminal sizes 4 and 6 mm²		8WA1862		1	50 units	1BT
	• For connection bars, for terminal size 2.5 up to 6 mm²						
	- Transparent		8WA1822-7AX01		1	10 units	1BT
	- White		8WA1822-7AX03		1	10 units	1BT
 8WA2870 / 868 / 867	**Feeder terminals, for N-busbars** • 6 × 6 mm and 10 × 3 mm • Bare						
	Versions						
	• Connection up to 4 mm²		8WA2867		1	50 units	1BT
	• Connection up to 25 mm²		8WA2868		1	50 units	1BT
	• Connection up to 35 mm²		8WA2870		1	50 units	1BT
 8WA1808	**End retainers, thermoplastic** Width 10 mm		8WA1808		1	50 units	1BT
	Terminal strip labels • Suitable for 8WA1808 end retainer • Blank (WIN 67)		8WA8212-0AA65		100	380 units	1BT
 8WA1857	**Insulation carriers, for mounting insulated support rails**		8WA1857		1	20 units	1BT
	Labels, blank • Suitable for plotting • Label size 5 × 7 mm (WIN 68)		8WA8348-2AY		100	136 units	1BT
 8GF9324-2	**N-busbars, 6 × 6 mm** • Rated uninterrupted current 125 A • 1109 mm long • For four-field		8GF9324-2		1	10 units	1BP
	Note						
	Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net will be added.						
	Connection bars, for Insta terminals						
	Versions						
	• For two terminals		8WA1822-7VF02		1	50 units	1BT
	• For three terminals		8WA1822-7VF03		1	50 units	1BT
	• For ten terminals		8WA1822-7VF10		1	10 units	1BT
	Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²		8WA1822-7TH00		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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Overview

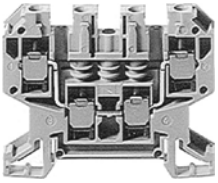
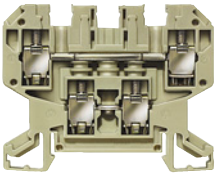
Two-tier terminals are a compact form of the terminal blocks. They are therefore open on one side. They can contain two connecting cables with two connections each or they can be laid out as terminal blocks with four connections on the same potential.

An advantage is the standardized front for mounting, bridging and labeling.

Technical specifications

	Rated voltage	
	AC	DC
Between connection bars		
• With insulation plate	400 V	450 V
• With end plate or barrier	800 V	900 V
• With disconnecting link 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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Screw terminal at both ends								
	Note	Section	Page						
	For labeling accessories, see ...	*Accessories*	11/2						
Terminal size 4 mm²									
 8WA1011-6DG11	**Two-tier terminals, terminal size 4 mm²** • Rated uninterrupted current 32 A • Rated insulation voltage 690 V (with end plate 800 V) • Mounting width 6.5 mm • Terminal height 45 mm • Terminal length 64 mm • UL AWG 18-10 • CSA AWG 18-10								
	Versions								
	• Beige								
	- 1-pole				**8WA1011-6DG11**		1	50 units	1BT
	- 2-pole, with two isolated connections				**8WA1011-2DG11**		1	50 units	1BT
 8WA1011-2DG11	• Blue								
	- 1-pole				**8WA1011-6BG11**		1	50 units	1BT
	- 2-pole, with two isolated connections				**8WA1011-2BG11**		1	50 units	1BT
	Accessories	Section	Page						
	Covers								
	• With lightning symbol, for terminal size 4 and 6 mm²	*Accessories*	9/20		**8WA1811**		1	50 units	1BT
	• White, facility for labeling, for terminal sizes 4 and mm²	*Accessories*	9/20		**8WA1862**		1	50 units	1BT
	• For connection bars, for terminal size 2.5 to 6 mm², transparent	*Accessories*	9/20		**8WA1822-7AX01**		1	10 units	1BT
	Jumpers								
	• For upper tier of 2-pole terminals	*Accessories*	9/20		**8WA1822-7VG00**		1	50 units	1BT
	• For lower tier of 1 and 2-pole terminals	*Accessories*	9/20		**8WA1822-7VG01**		1	50 units	1BT
	End plates	*Accessories*	9/20		**8WA1817**		1	50 units	1BT
	Disconnecting links	*Accessories*	9/20		**8WA1865**		1	50 units	1BT
	Insulation plates								
	• For upper tier of 2-pole terminals	*Accessories*	9/20		**8WA1825**		1	50 units	1BT
	• For lower tier of 1 and 2-pole terminals	*Accessories*	9/20		**8WA1825**		1	50 units	1BT
	Connection bars								
	• For upper tier of 2-pole terminals:								
	- For two terminals	*Accessories*	9/20		**8WA1850**		1	50 units	1BT
	- For three terminals	*Accessories*	9/20		**8WA1851**		1	50 units	1BT
	- For four terminals	*Accessories*	9/20		**8WA1852**		1	20 units	1BT
	- For ten terminals	*Accessories*	9/20		**8WA1853**		1	10 units	1BT
	• For lower tier of 1 and 2-pole terminals								
	- For two terminals	*Accessories*	9/20		**8WA1835**		1	50 units	1BT
	- For ten terminals	*Accessories*	9/20		**8WA1838**		1	10 units	1BT
	Barriers	*Accessories*	9/20		**8WA1823**		1	25 units	1BT

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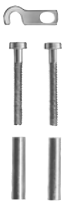
8WA two-tier terminals

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
Accessories							
	Covers						
	Versions						
8WA1811	• With lightning symbol, for terminal size 4 and 6 mm²		8WA1811		1	50 units	1BT
8WA1862	• White, facility for labeling, for terminal sizes 4 and 6 mm²		8WA1862		1	50 units	1BT
8WA1822-7AX01	• For connection bars, for terminal size 2.5 to 6 mm², transparent		8WA1822-7AX01		1	10 units	1BT
	Jumpers • For connection bars • For terminal size 4 mm²						
	Versions						
	• For upper tier of 2-pole terminals		8WA1822-7VG00		1	50 units	1BT
	• For lower tier of 1 and 2-pole terminals		8WA1822-7VG01		1	50 units	1BT
	End plates, for two-tier terminals		8WA1817		1	50 units	1BT
 8WA1865	**Disconnecting links** For upper tier of 2-pole terminals		8WA1865		1	50 units	1BT
	Note						
	The terminals must be fitted with end plates and must be fitted with the end plates facing each other.						
8WA1825	**Insulation plates, for terminal size 2.5 to 6 mm²**		8WA1825		1	50 units	1BT
	Connection bars						
	Versions						
	• For upper tier of 2-pole terminals						
	- For two terminals		8WA1850		1	50 units	1BT
	- For three terminals		8WA1851		1	50 units	1BT
	- For four terminals		8WA1852		1	20 units	1BT
	- For ten terminals		8WA1853		1	10 units	1BT
	• For lower tier of 1 and 2-pole terminals						
	- For two terminals		8WA1835		1	50 units	1BT
	- For ten terminals		8WA1838		1	10 units	1BT
8WA1823	**Barriers**		8WA1823		1	25 units	1BT

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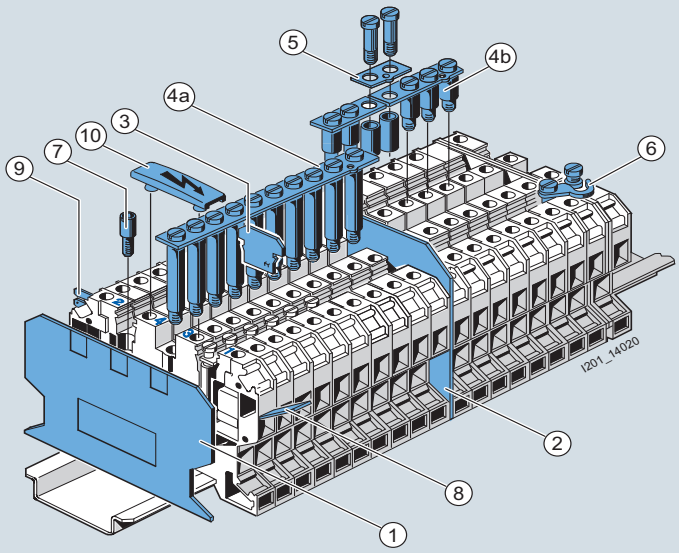
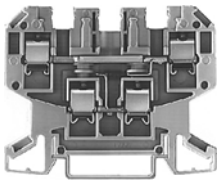
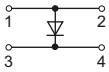
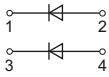
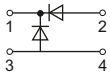
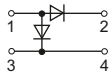
Design



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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Screw terminal at both ends • Open on one side • Beige						
	Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 4 mm²							
 8WA1011-6EG20	**Diode terminals, terminal size 4 mm²** • Rated insulation voltage 250 V • Mounting width 6.5 mm • Terminal height 45 mm • Terminal length 64 mm • AWG 18-10 • Jumpering not supported						
	Type						
	• Rated uninterrupted current 32/1 A		**8WA1011-6EG20**		1	10 units	1BT
	• Rated uninterrupted current 1 A		**8WA1011-6EG22**		1	10 units	1BT
	• Rated uninterrupted current 32/1 A		**8WA1011-6EG23**		1	10 units	1BT
	• Rated uninterrupted current 32/1 A		**8WA1011-6EG24**		1	10 units	1BT
	Accessories — Section — Page						
	End plates, for two-tier terminals — *Accessories* — 9/22		**8WA1817**		1	50 units	1BT

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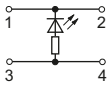
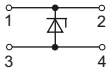
8WA two-tier terminals with electronic components

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	Terminals with red LED, terminal size 4 mm² • Rated uninterrupted current 32 A • Rated insulation voltage 24 V DC • Mounting width 6.5 mm • Terminal height 45 mm • Terminal length 64 mm • AWG 18-10						
	Type						
	• Without diode for current limitation		**8WA1011-6EG25**		1	10 units	1BT
	**Zener diode terminals, terminal size 4 mm²** • Mounting width 6.5 mm • Terminal height 45 mm • Terminal length 64 mm • AWG 18-10 • Let-through current 0.25 A • Avalanche voltage U_Z = 2.4 V, ± 5 %		**8WA1011-6EG44**		1	10 units	1BT
	Accessories / Section / Page						
	End plates, for two-tier terminals / *Accessories* / 9/22		**8WA1817**		1	50 units	1BT

Accessories

	End plates, for two-tier terminals		**8WA1817**		1	50 units	1BT

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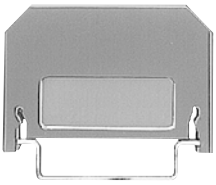
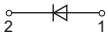
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Enclosed at both ends Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 2.5 mm²							
 8WA1011-1EF20  8WA1011-1EF20	**Diode terminals, terminal size 2.5 mm²** • Rated insulation voltage 250 V U_{RRM} • Mounting width 6 mm • Terminal height 26 mm • Terminal length 41 mm • Screw terminals at both ends with test options for Ø 2.3 mm test plug • Rated uninterrupted current 1 A • Peak blocking voltage 1000 V		**8WA1011-1EF20**		1	5 units	1BT
	Accessories: *• Barriers, for terminal size 1.5 ... 4 mm²* — Section: *Accessories* — Page: 9/23		**8WA1820**		1	50 units	1BT
 8WA1501 8WA1501	**Through-type terminals, terminal size 2.5 mm², with sectionalizing feature** • Rated uninterrupted current 10 A • Rated insulation voltage 380 V AC, 450 V DC (with alternate outgoing soldering tags) - Open isolating distance 380 V AC, 450 V DC - For use of barriers up to 750 V AC, 900 V DC • Mounting width 6 mm • Terminal height 29 mm • Terminal length 41 mm • With 2 holes for Ø 2.3 mm test plug • With screw terminals at both ends 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.		**8WA1501**		1	10 units	1BT
	Accessories: *• Barriers, for terminal size 1.5 ... 4 mm²* — Section: *Accessories* — Page: 9/23		**8WA1820**		1	50 units	1BT
Accessories							
 8WA1820	**Barriers, for terminal size 1.5 ... 4 mm²**		**8WA1820**		1	50 units	1BT

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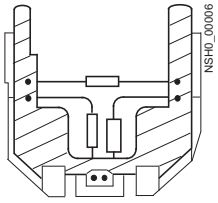
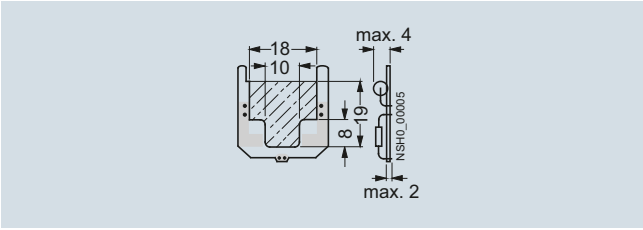
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Terminals for components • Screw terminal at both ends for 2 conductors each • Plugs with PCB for components • Enclosed at both ends						
	Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 1.5 mm²							
 8WA1011-1EE00	**Terminals for components, terminal size 1.5 mm²** (enclosure only) • Rated uninterrupted current 6.3 A • Rated insulation voltage 500 V • Mounting width 10 mm • Terminal height 40 mm • Terminal length 57 mm • For self-fitting with components • To next terminal, determined internally through customer's components		**8WA1011-1EE00**		1	5/50 units	1BT
 8WA1822-7EE00	**Plugs for components, terminal size 1.5 mm²** • Rated uninterrupted current 6.3 A • Rated insulation voltage 500 V • Mounting width 10 mm • Plug height 29 mm • Plug length 41 mm • With PCB and inscription label (20 × 9 mm)		**8WA1822-7EE00**		1	1 unit	1BT



Plugs, fully equipped, example

Dimensional drawings



Space for components

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Overview

8WA1011-1SF12 fuse terminals are used to protect control circuits against short-circuits.

The fuse terminals are intended for 5 × 20 mm and 5 × 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.

The fuse terminals are suitable for fuse links, sizes ¼" × 1", ¼" × 11/4" (6.3 × 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 mA 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 × 6 mm N-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	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • With thermoplastic insulating body • Screw terminal at both ends for 2 conductors each • Enclosed at both ends						
	Note: *For labeling accessories, see ...* — Section: *Accessories* — Page: 11/2						
Terminal size 1.5 mm²							
 8WA1011-1SF12	**Fuse terminals, terminal size 1.5 mm²** • Rated uninterrupted current 6.3 A when using fuses • Rated uninterrupted current 16 A when using the bridging link • Rated uninterrupted voltage 250 V when using fuses • Rated insulation voltage 800 V when using the bridging link • Mounting width 10 mm • Terminal height 42 mm • Terminal length 57 mm • Open isolating distance 500 V • UL AWG 18-14 • CSA AWG 18-14						
 8WA1011-1SF13	Versions						
	• For G-fuse						
	- Without LED		**8WA1011-1SF12**		1	10 units	1BT
	- With LED 24 V AC/DC		**8WA1011-1SF13**		1	10 units	1BT
	- With LED 230 V AC/DC		**8WA1011-1SF15**		1	10 units	1BT
	• For inch fuse						
	- Without LED		**8WA1011-1SF30**		1	10 units	1BT
	- With LED 24 V AC/DC		**8WA1011-1SF31**		1	10 units	1BT
	- With LED, 120 V AC/110 V DC		**8WA1011-1SF32**		1	10 units	1BT
Accessories							
 8WA1822-7EF16	**G fuse links** DIN 41660						
	Versions						
	• Quick-response, high breaking capacity						
	- Rated uninterrupted current 1 A		**8WA1822-7EF16**		1	10/200 units	1BT
	- Rated uninterrupted current 1.6 A		**8WA1822-7EF18**		1	10 units	1BT
	- Rated uninterrupted current 2.5 A		**8WA1822-7EF21**		1	10 units	1BT
	- Rated uninterrupted current 4 A		**8WA1822-7EF23**		1	10 units	1BT
	- Rated uninterrupted current 6.3 A		**8WA1822-7EF25**		1	10 units	1BT
	• Slow-response, low breaking capacity						
	- Rated uninterrupted current 1 A		**8WA1822-7EF76**		1	10 units	1BT
	- Rated uninterrupted current 1.6 A		**8WA1822-7EF78**		1	10 units	1BT
	- Rated uninterrupted current 2.5 A		**8WA1822-7EF81**		1	10 units	1BT
	- Rated uninterrupted current 4 A		**8WA1822-7EF83**		1	10 units	1BT
	- Rated uninterrupted current 6.3 A		**8WA1822-7EF85**		1	10 units	1BT
 8WA1891	**Bridging links** 5 × 25 mm		**8WA1891**		1	10 units	1BT

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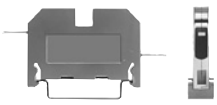
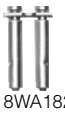
8WA through-type terminals with soldered and plug-in connection

Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • With thermoplastic insulating body • Enclosed at both ends						
	Note / Section / Page *For labeling accessories, see ...* / *Accessories* / 11/2						
Terminal size 1.5 mm²							
 8WA1221	**Through-type terminals, terminal size 1.5 mm²** • Beige • Rated uninterrupted current 18 A • Rated insulation voltage 380 V AC, 450 V DC with alternately arranged terminals; when using barriers up to 800 V • Mounting width 5.5 mm • Terminal height 26 mm • Terminal length 41 mm • Soldered connection at both ends		**8WA1221**		1	50 units	1BT
	Accessories / Section / Page						
	• *Covers*						
	- *With lightning symbol* / *Accessories* / 9/26		**8WA1810**		1	50 units	1BT
	- *White, facility for labeling* / *Accessories* / 9/26		**8WA1860**		1	50 units	1BT
	• *Barriers, for terminal size 1.5 ... 4 mm²* / *Accessories* / 9/26		**8WA1820**		1	50 units	1BT
Accessories							
 8WA1811	**Covers**						
	Versions						
	• With lightning symbol						
	- For terminal size 1 ... 2.5 mm²		**8WA1810**		1	50 units	1BT
	- For terminal size 6 mm²		**8WA1811**		1	50 units	1BT
	• White, facility for labeling						
	- For terminal size 1 ... 2.5 mm²		**8WA1860**		1	50 units	1BT
	- For terminal size 6 mm²		**8WA1862**		1	50 units	1BT
 8WA1822-7VH12	**Connection bars, *for through-type terminal, terminal size 6 mm², with plug-in connection***						
	Versions						
	• For two terminals		**8WA1822-7VH12**		1	50 units	1BT
	• For ten terminals		**8WA1822-7VH20**		1	10 units	1BT
 8WA1821	**Barriers**						
	Versions						
	• For terminal size 1.5 ... 4 mm²		**8WA1820**		1	50 units	1BT
	• For terminal size 6 ... 16 mm²		**8WA1821**		1	50 units	1BT

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Overview

Measuring transformer terminals can be used for testing and isolating circuits in switchboards, 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 connection bars 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 is extended by adding on equivalent circuits. Links between the basic circuits provide many kinds of testing facilities, parallel outgoing lines to other measuring devices, 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

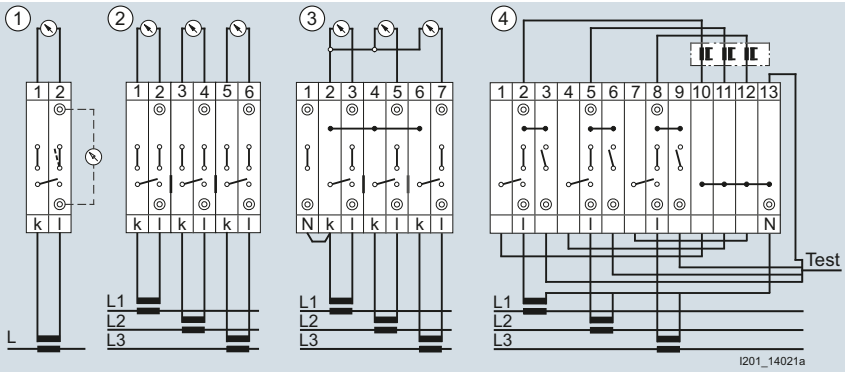
The instrument set with a neutral point is an extension of the previous circuit. Four instead of six lines are sufficient for connecting it with the measuring devices. The neutral point is produced on the measuring instruments on the one hand, and using a shortened 8WA1822-7VH10 connection bar on the other. The instrument isolating terminal 1 is connected to the neutral point using a connecting comb.

Note

The introduction of the 8WA1011-1MH10 through-type terminals and their associated disconnecting links has made it considerably easier to configure terminal sets for current transformers. Instead of the 12 isolating or instrument isolating terminals used previously, now only 4 instrument isolating terminals and 3 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 jumpers connect terminals 1, 4 and 7 with the neutral point. It is formed in terminals 10, 11, 12 and 13 with an 8WA1887 connection bar.



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
8WA1011-1MH10			3	7
8WA1011-1MH11	1	3		3
8WA1011-1MH15	1	3	4	3
8WA1825 a)		2	2	
8WA1885				3
8WA1887				1
8WA1822-7VH10			1 b)	
8WA1822-7VH01	1	3	3	3
8WA1822-7PH00				4
8WA1822-7VH22			1	

a) In some cases additionally required between instrument sets

b) Shortened

Test socket
Link rail
Small partition
Disconnecting link (closed)
Connecting comb, 2-pole

Connection option for measuring transformer terminals (instrument sets)

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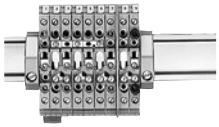
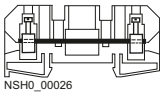
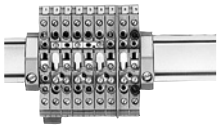
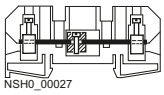
Selection and ordering data

	Version			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • With thermoplastic insulating body • Screw terminals at both ends and two holes for test sockets for Ø 4 mm test plug, insulated at both ends • Enclosed at both ends								
	Note	Section	Page						
	For labeling accessories, see ...	*Accessories*	11/2						
Terminal size 6 mm²									
 8WA1011-1MH10	**Through-type terminals, terminal size 6 mm²** • Rated uninterrupted current 41 A • Rated insulation voltage 500 V • Mounting width 8 mm • Terminal height 33 mm • Terminal length 83 mm • Without test sockets • AWG 14-8 • AWG 16-10				**8WA1011-1MH10**		1	20 units	1BT
 Typical circuit diagram	Accessories	Section	Page						
	Covers, for connection bars • *Transparent*	*Accessories*	9/29		**8WA1822-7AX01**		1	10 units	1BT
	Test sockets • *Rated voltage between test socket and bypassed connection bar: 16 V, recessed*	*Accessories*	9/29		**8WA1822-7PH00**		1	50 units	1BT
 NSH0_00026 8WA1011-1MH10	*Insulation plates, for terminal size 2.5 to 6 mm²*	*Accessories*	9/29		**8WA1825**		1	50 units	1BT
	Connection combs • *10-pole for measuring transformer terminals, can be shortened as required*	*Accessories*	9/29		**8WA7163**		1	10 units	1BT
	• *2-pole*	*Accessories*	9/29		**8WA1822-7VH22**		1	10 units	1BT
	Connection bars, for terminal size 6 mm² • *Two terminals*	*Accessories*	9/29		**8WA1885**		1	50 units	1BT
	• *Three terminals*	*Accessories*	9/29		**8WA1886**		1	50 units	1BT
	• *Four terminals*	*Accessories*	9/29		**8WA1887**		1	20 units	1BT
	• *Ten terminals*	*Accessories*	9/29		**8WA1888**		1	10 units	1BT
	• *Unmounted for ten terminals*	*Accessories*	9/29		**8WA1822-7VH10**		1	50 units	1BT
	Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²	*Accessories*	9/29		**8WA1822-7TH00**		1	50 units	1BT
 8WA1011-1MH11	**Isolating terminals, terminal size 6 mm²** • Rated uninterrupted current 41 A • Rated insulation voltage 500 V • Mounting width 8 mm • Terminal height 33 mm • Terminal length 83 mm • Without test sockets • AWG 14-8 • AWG 16-10				**8WA1011-1MH11**		1	20 units	1BT
 Typical circuit diagram	Accessories	Section	Page						
	Covers, for connection bars • *Transparent*	*Accessories*	9/29		**8WA1822-7AX01**		1	10 units	1BT
	• *White, facility for labeling*	*Accessories*	9/29		**8WA1822-7AX03**		1	10 units	1BT
	Test sockets • *Rated voltage between test socket and bypassed connection bar: 16 V, recessed*	*Accessories*	9/29		**8WA1822-7PH00**		1	50 units	1BT
 NSH0_00027 8WA1011-1MH11	*Connection combs* • *10-pole for measuring transformer terminals, can be shortened as required*	*Accessories*	9/29		**8WA7163**		1	10 units	1BT
	• *2-pole*	*Accessories*	9/29		**8WA1822-7VH22**		1	10 units	1BT
	Connection bars, for terminal size 6 mm² • *Two terminals*	*Accessories*	9/29		**8WA1885**		1	50 units	1BT
	• *Three terminals*	*Accessories*	9/29		**8WA1886**		1	50 units	1BT
	• *Four terminals*	*Accessories*	9/29		**8WA1887**		1	20 units	1BT
	• *Ten terminals*	*Accessories*	9/29		**8WA1888**		1	10 units	1BT
	• *Unmounted for ten terminals*	*Accessories*	9/29		**8WA1822-7VH10**		1	50 units	1BT
	Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²	*Accessories*	9/29		**8WA1822-7TH00**		1	50 units	1BT

* You can order this quantity or a multiple thereof.

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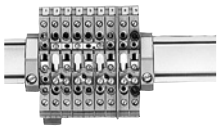
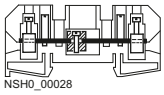
	Version			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WA1011-1MH15	**Instrument isolating terminals, terminal size 6 mm²** • Mounting width 8 mm • Terminal height 33 mm • Terminal length 83 mm • Open isolating distance • With recessed test sockets • AWG 14-8 • AWG 16-10				**8WA1011-1MH15**		1	20 units	1BT
 Typical circuit diagram	Accessories	Section	Page						
	Covers, for connection bars								
	• Transparent	*Accessories*	9/29		**8WA1822-7AX01**		1	10 units	1BT
	Test sockets								
	• Rated voltage between test socket and bypassed connection bar: 16 V, recessed	*Accessories*	9/29		**8WA1822-7PH00**		1	50 units	1BT
	Insulation plates, for terminal size 2.5 to 6 mm²	*Accessories*	9/29		**8WA1825**		1	50 units	1BT
	Connection combs								
	• 10-pole for measuring transformer terminals, can be shortened as required	*Accessories*	9/29		**8WA7163**		1	10 units	1BT
	• 2-pole	*Accessories*	9/29		**8WA1822-7VH22**		1	10 units	1BT
	Connection bars, for terminal size 6 mm²								
	• Two terminals	*Accessories*	9/29		**8WA1885**		1	50 units	1BT
	• Three terminals	*Accessories*	9/29		**8WA1886**		1	50 units	1BT
	• Four terminals	*Accessories*	9/29		**8WA1887**		1	20 units	1BT
	• Ten terminals	*Accessories*	9/29		**8WA1888**		1	10 units	1BT
	• Unmounted for ten terminals	*Accessories*	9/29		**8WA1822-7VH10**		1	50 units	1BT
	Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²	*Accessories*	9/29		**8WA1822-7TH00**		1	50 units	1BT
 NSH0_00028 8WA1011-1MH15									

Accessories

	Covers, for connection bars For through-type terminals, size 2.5 to 6 mm²								
	Versions								
	• Transparent				**8WA1822-7AX01**		1	10 units	1BT
	• White, facility for labeling				**8WA1822-7AX03**		1	10 units	1BT
8WA1822-7PH00	**Test sockets** Ø 4 mm								
	Versions								
	• Rated voltage between test socket and bypassed connection bar: 16 V, recessed				**8WA1822-7PH00**		1	50 units	1BT
8WA1822-7VH01	**Disconnecting links** Rated insulation voltage with disconnecting link open according to DIN VDE 0110: 125 V Gr. C or 250 V Gr. B				**8WA1822-7VH01**		1	50 units	1BT
8WA1825	**Insulation plates, for terminal size 2.5 to 6 mm²**				**8WA1825**		1	50 units	1BT
8WA7163	**Connection combs** For inserting in the clamping points								
	Versions								
	• 10-pole for measuring transformer terminals, can be shortened as required				**8WA7163**		1	10 units	1BT
	• 2-pole				**8WA1822-7VH22**		1	10 units	1BT
8WA1885	**Connection bars, for terminal size 6 mm²**								
	Versions								
	• Two terminals				**8WA1885**		1	50 units	1BT
	• Three terminals				**8WA1886**		1	50 units	1BT
	• Four terminals				**8WA1887**		1	20 units	1BT
	• Ten terminals				**8WA1888**		1	10 units	1BT
	• Unmounted for ten terminals				**8WA1822-7VH10**		1	50 units	1BT
8WA1822-7TH00	**Barriers, for Insta terminals, terminal size 2.5 mm² and measuring transformer terminals, terminal size 6 mm²**				**8WA1822-7TH00**		1	50 units	1BT

9

* You can order this quantity or a multiple thereof.

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Notes

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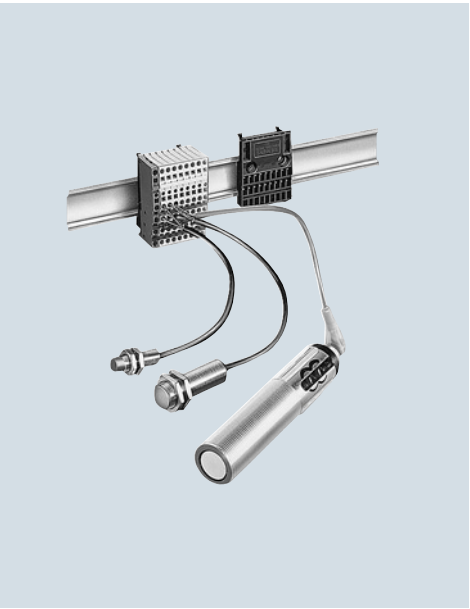

10/2 8WA initiator/actuator terminals

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.

3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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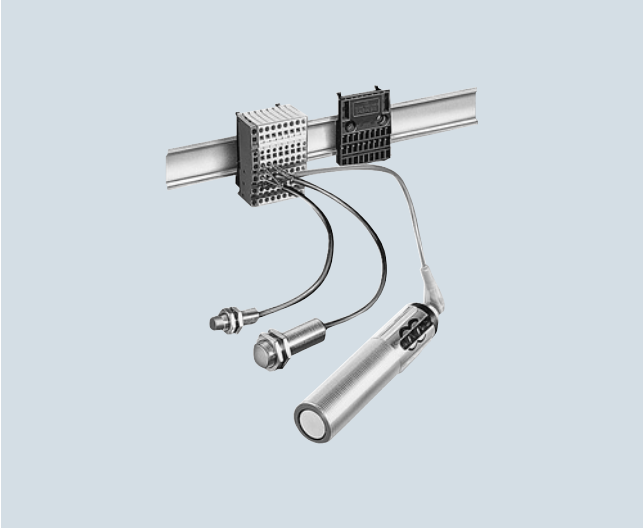
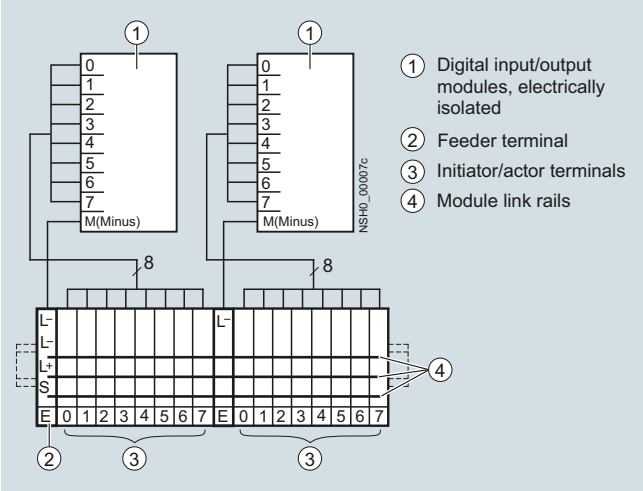
Overview

- Fast and cost-effective connection of signal transmitters to the PLC
- Only 5 mm wide but still fitted with connection facility 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 ... 1.5 mm^2 without end sleeves that are secured using spring-loaded terminals
- LEDs make the switch states or the application of voltage easy to see. 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

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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:

$I_{th2'} = I_{th2} \times k$

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 permissible clamping point 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.

Clamping points

Terminal size mm²	Type	Thread diameter of terminal screws	Screwdriver blades acc. to DIN 5264 8WA2803 or 8WA2804	Tightening torque = test torque Nm	Tensile forces acc. to IEC 60947-1 at max. conductor connection N	Stripped length mm
1.5	8WA2011-3KE	--	0.5 × 3.5	--	40	8 ... 9

Single-conductor connection

Terminal size	Type	Smallest conductor cross-section					Largest conductor cross-section				
		Solid	Stranded	Finely stranded	Finely stranded with end sleeve		Solid	Stranded	Finely stranded	Finely stranded with end sleeve	
mm²		mm²	mm²	mm²	mm²	Size	mm²	mm²	mm²	mm²	Size
1.5	8WA2011-3KE . .	0.08	0.5	0.2	--	--	1.5	1.5	1.5	--	--

Ⓢ and ℞ rating

Terminal size mm²	Type	CSA rating AWG	CSA rating Rated current I_n A	CSA rating Rated voltage U_e V	UR rating AWG	UR rating Rated current I_n A	UR rating Rated voltage U_e V
1.5	8WA2011-3KE	28 ... 16	10	65	22 ... 16	10	65

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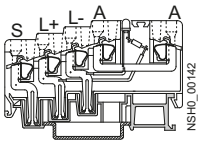
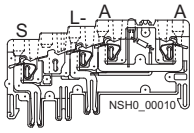
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	General details • Thermoplastic insulating body • Front connection with spring-loaded terminal • L+ = brown S (shield) = green L- = blue A (output), connection not colored • Enclosed at both ends						
	Note: *For labeling accessories, see ...* — Section: *8WA accessories* — Page: 11/2						
Terminal size 1.5 mm²							
 8WA2011-3KE00	**Feeder terminals, terminal size 1.5 mm²** • Orange • Rated uninterrupted current 10 A • Rated insulation voltage 65 V • Mounting width 5 mm • For 250 V, pollution degree 2						
	Versions						
	• PNP						
	- L+, L-, S, without LED		**8WA2011-3KE00**		1	20 units	1BT
	- L+, L-, without LED		**8WA2011-3KE01**		1	20 units	1BT
	- L+, L-, S, with green LED, 15 ... 30 V		**8WA2011-3KE02**		1	20 units	1BT
	• NPN						
	- L+, L-, S, without LED		**8WA2011-3KE00**		1	20 units	1BT
	- L+, L-, without LED, without ground connection		**8WA2011-3KE01**		1	20 units	1BT
 8WA2011-3KE13 initiator terminals with connection module	**Initiator terminals, terminal size 1.5 mm²** • Light gray • Rated uninterrupted current 10 A • Rated insulation voltage 65 V • Mounting width 5 mm • For 250 V, pollution degree 2 • Current consumption with LED 4.8 mA • PNP						
	Versions						
	• L+, L-, A, without LED		**8WA2011-3KE10**		1	20 units	1BT
	• L+, L-, S, A, without LED		**8WA2011-3KE11**		1	20 units	1BT
	• L+, L-, A, with yellow LED, 15 ... 30 V		**8WA2011-3KE12**		1	20 units	1BT
	• L+, L-, S, A, with yellow LED, 15 ... 30 V		**8WA2011-3KE13**		1	20 units	1BT
 8WA2011-3KE33 actuator terminals with LED	**Actuator terminals, terminal size 1.5 mm²** • Light gray • Rated uninterrupted current 10 A • Rated insulation voltage 65 V • Mounting width 5 mm • For 250 V, pollution degree 2 • Current consumption with LED 4.8 mA						
	Versions						
	• PNP						
	- L-, S, A, without LED		**8WA2011-3KE31**		1	20 units	1BT
	- L-, S, A, with yellow LED, 15 ... 30 V		**8WA2011-3KE33**		1	20 units	1BT
	• NPN						
	- L+, S, A, without LED		**8WA2011-3KE30**		1	20 units	1BT
 8WA2011-3KE50	**Connection modules, terminal size 1.5 mm², for all PNP and NPN terminals** • Black • Rated uninterrupted current 10 A • Rated insulation voltage 65 V • Mounting width 5 mm • For 250 V, pollution degree 2 • L+, L-, S integrated						
	Versions						
	• For 8 initiator/actuator terminals and one feeder terminal - Width 47 mm - Height 65 mm		**8WA2011-3KE50**		1	10 units	1BT
	• For 16 initiator/actuator terminals, one feeder terminal and space for one terminal for further bridging for subsequent module - Width 93 mm - Height 65 mm		**8WA2011-3KE51**		1	5 units	1BT

* You can order this quantity or a multiple thereof.

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Accessories for 8WA Terminal Blocks

11/2 Accessories for the labeling system

11/3 Standard labeling system

11/5 Mounting accessories

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

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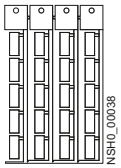
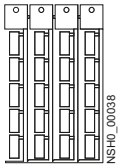
Selection and ordering data

Labeling system for individual inscription

Labeling systems for
- Terminal blocks
- Modular installation devices
- Circuit breakers
- Switch disconnectors

Available from:
Murrplastik Systemtechnik GmbH
Postfach 1143
D-71570 Oppenweiler
Telephone: +49 (0)7191-482-0
e-mail: info@murrplastik.de

Accessories for the labeling system

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	Terminal block labels, for labeling system						
	Versions						
	• For 8WA1 and 8WA2, individually removable						
	- 5 × 7, white (WIN 68)		**8WA8850-2AY**		100	1020 units	1BT
	- 5 × 10, white (WIN 68)		**8WA8851-2AY**		100	1020 units	1BT
	Not for two-tier terminals (bottom tier); flat terminals: 8WA1010-1PQ00, 8WA1808						
 NSH0_00038	**Snap-on device labels** NEW						
	For identification of e.g. • Circuit breakers • Contactors • Controllers						
	Versions						
	• 20 x 7, white, snap-on hooks at side (WIN 95)		**8WH8210-0AA55**		100	340 units	1BT
	• 20 x 7, turquoise, snap-on hooks at side (WIN 95)		**8WH8210-0AA56**		100	340 units	1BT
 NSH0_00038	**Adhesive device labels** NEW						
	For identification of e.g. • Modular installation devices • Switch disconnectors						
	Versions						
	• 15 x 6 mm, white (WIN 098)		**8WH8210-0AA35**		100	3740 units	1BT
	• 15 x 6 mm, yellow (WIN 099)		**8WH8210-0AA36**		100	3740 units	1BT
	• 19 x 8 mm, white (WIN 088)		**8WH8210-0AA45**		100	2700 units	1BT
	• 19 x 8 mm, yellow (WIN 082)		**8WH8210-0AA46**		100	2700 units	1BT

Note:

The labels can be written by hand or using Murrplastik labeling systems.

The WIN designation simplifies the assignment in the labeling software.

* You can order this quantity or a multiple thereof.

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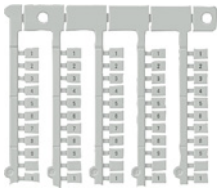
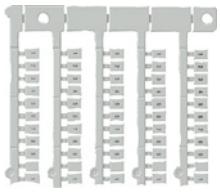
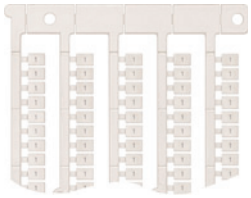
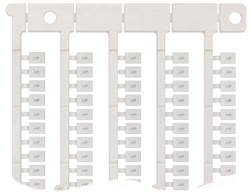
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	Labels, blank • Suitable for plotting						
	Versions						
	• Label size 5 × 7 mm (WIN 68) • Label size 5 × 10 mm (WIN 68)		**8WA8348-2AY** **8WA8310-2AY**		100 100	136 units 136 units	1BT 1BT
 Horizontal inscription (8WA8360-0BA)  Vertical inscription (8WA8361-0BA)	**Labels, with inscription** • Label size 5 × 7 mm • Font height 2 mm						
	Versions						
	• Horizontal inscription • Vertical inscription		**8WA8360-□□□** **8WA8361-□□□**		100 100	204 units 204 units	
	Inscription		▲▲▲				
	• 1…5 (40x) • 6…10 (40x) • 11…15 (40x)		**0BA** **0BB** **0BC**				
	• 16…20 (40x) • 21…25 (40x) • 26…30 (40x)		**0BD** **0BE** **0BF**				
	• 31…35 (40x) • 36…40 (40x) • 41…45 (40x)		**0BG** **0BH** **0BJ**				
	• 46…50 (40x) • 51…55 (40x - only available as 8WA8361-0BL) • 56…60 (40x)		**0BK** **0BL** **0BM**				
	• 61…65 (40x) • 66…70 (40x - only available as 8WA8361-0BP) • 71…75 (40x)		**0BN** **0BP** **0BQ**				
	• 76…80 (40x) • 81…85 (40x) • 86…90 (40x - only available as 8WA8361-0BT)		**0BR** **0BS** **0BT**				
	• 91…95 (40x) • 96…100 (40x) • 1…20 (10x)		**0BU** **0BV** **0AB**				
	• 1…40 (5x) • 41…100 (3x) • 101…200 (2x)		**0AC** **0AD** **0AF**				
	• 201…300 (2x) • 1…100 (2x)		**0AG** **0AE**				
	• A, B…T (10x) • U, V, W, X, Y, Z (30x) +, - (10x) • L1, L2, L3, N, PE (40x) • U1, V1, W1, U2, V2, W2, (30x); blank (20x)		**1AA** **1AB** **1AC** **1AD**				
 Horizontal inscription (8WA8347-2AC)  Vertical inscription (8WA8348-2AC)	**Labels, type 347/348, with inscription** • Label size 5 × 7 mm • Font height 2 mm						
	Versions						
	• Horizontal inscription • Vertical inscription		**8WA8347-□□□** **8WA8348-□□□**		100 100	136 units 136 units	
	Inscription		▲▲▲				
	• L1 (100x) • L2 (100x) • L3 (100x)		**2AC** **2AD** **2AE**				
	• N (100x) • MP (100x - only available as 8WA8348-2AB) • PE (100x - only available as 8WA8348-2AH)		**1AR** **2AB** **2AH**				
	• L+ (100x) • L- (100x)		**2AF** **2AG**				
	• N (100x) • X (100x - only available as 8WA8348-1AG) • Y (100x - only available as 8WA8348-1AH)		**1AR** **1AG** **1AH**				

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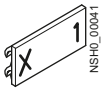
Standard labeling system

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
	Labels, custom inscriptions • Label size 5 × 7 mm • Font height 2 mm • Specify required inscription in plain text						
	Versions						
	• Horizontal inscription		**8WA8347-0XA**		100	136 units	1BT
	• Vertical inscription		**8WA8348-0XA**		100	136 units	1BT
 8WA1806	**End labeling plates** • 21 × 42 mm • Paper label, inscription possible, with transparent cover • Suitable for 8WA1805, 8WA1808 and 8WA2808 end retainers		**8WA1806**		1	50 units	1BT
 8WA8826-0AA	**Terminal strip labels** Suitable for 8WA1808 end retainer						
	Versions						
	• Printed with "X1"		**8WA8826-0AA**		100	380 units	1BT
	• Printed with "X2"		**8WA8826-0AB**		100	100 units	1BT
	• Printed with "X3"		**8WA8826-0AC**		100	100 units	1BT
	• Blank (WIN 67)		**8WA8212-0AA65**		100	380 units	1BT

* You can order this quantity or a multiple thereof.

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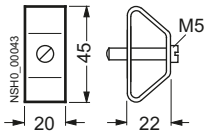
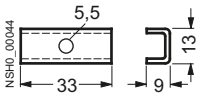
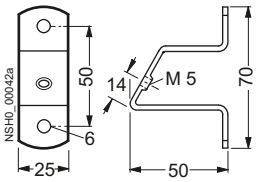
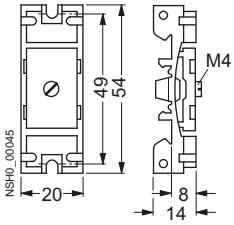
Selection and ordering data

	Version	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG
8WA1808	**End retainers, with screw fixing** • Mounting width 10 mm • Suitable for 8WA1806 end labeling plate or 8WA8826-0A. terminal strip identification label or 3TX4210-0H device label or four 8WA88. labels.		**8WA1808**		1	50 units	1BT
8WA1805	**End retainers, steel** • Mounting width 10.3 mm • Suitable for 8WA1806 end labeling plate Note An 8WA1820 barrier must be inserted if using end retainers against an 8WA189. connection bar (size 2.5).		**8WA1805**		1	50 units	1BT
5ST1141	**Standard mounting rails** Versions • With holes - EN 50 022-35 × 7.5 - 2 m long, 1 mm thick - Steel, sendzimir-galvanized		**5ST1145**		1	20 units	1AD
	• Non-perforated		**5ST1141**		1	20 units	1AD
	• Non-perforated, copper - EN 50022-35 × 15 - 2 m long, 2.3 mm thick		**8WA7551**		1	1 unit	1BT
	• Non-perforated, steel, galvanized, chromated - Similar to EN 50022-35 × 15 - 2 m long, 1.5 mm thick		**5ST1142**		1	10 units	1AD
 8WA753	**Spacer brackets** For raised mounting of terminal strips		**8WA753**		1	50 units	1BT
 8WA752	**Spacers** • With 5.5 mm hole • For raised mounting of terminal strips		**8WA752**		1	100 units	1BT
 8WA746	**Mounting brackets** For support rails		**8WA746**		1	10 units	1BT
 8WA1857	**Insulation carriers** For insulated mounting of support rails onto plates, frame profiles and standard mounting rails EN 50022-35		**8WA1857**		1	20 units	1BT
8WA2880	**Screwdrivers, for 8WA2** • 3.5 × 0.5 mm, partially insulated • Green • Approx. 175 mm long		**8WA2880**		1	1 unit	1BT

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* You can order this quantity or a multiple thereof.

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Notes

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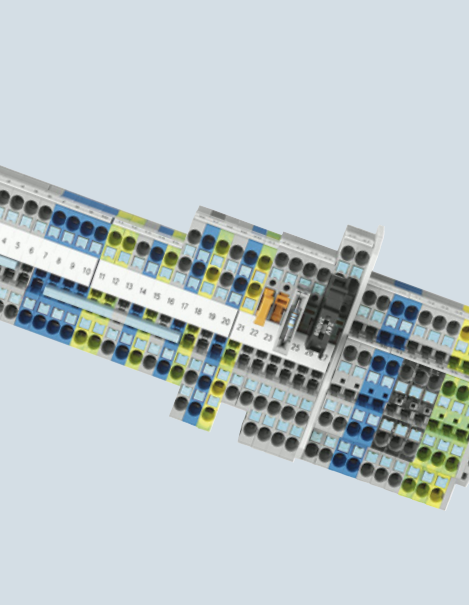

12/2	Catalog notes
12/3	Ordering notes
12/5	Support on UL topics
12/6	ATEX explosion protection
12/7	Further documentation
12/11	Quality management
12/12	Standards and approvals
12/14	Siemens contacts
12/15	Service & Support
12/16	Comprehensive support from A to Z
12/17	Software licenses
12/19	Subject index
12/21	Article No. index incl. export markings
12/28	Conditions of sale and delivery

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Catalog notes

Overview

Trademarks

All product designations may be registered trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes may violate the rights of the owner.

Amendments

Unless stated otherwise on the individual pages of this catalog, we reserve the right to make changes, in particular to the specified values, measurements and weights.

Dimensions

All dimensions are in mm.

Illustrations

The illustrations are not binding.

Technical data

The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

Further technical information is available at
www.siemens.com/lowvoltage/product-support

- under "Entry type":
  - Application example
  - Certificate
  - Characteristic
  - Download
  - FAQ
  - Manual
  - Product note
  - Software archive
  - Technical data

Configurators can be found under
www.siemens.com/lowvoltage/configurators

Assembly, operation and maintenance

Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

Symbols

In the table below, you will find all symbols concerning connections that can occur in this catalog. In combination with orange highlighting, these identify special selection criteria.

Connections	
	Screw connection
	Ring cable lug connection
	Spring-loaded terminals

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Logistics

General

With regard to delivery service, communications and environmental protection, our logistics service ensures "quality from the moment of ordering right through to delivery". By designing our infrastructure according to customer requirements and implementing electronic order processing, we have successfully optimized our logistics processes.

We are proud of our personal consulting service, on-time deliveries and 1-day transport within Germany.

To this end, we supply preferred types marked with ▶ ex works.

We regard the DIN ISO 9001 certification and consistent quality checks as an integral part of our services.

Electronic order processing is fast, cost-efficient and error-free. Please contact us if you want to benefit from these advantages.

Packaging, packing units

The packaging in which our equipment is dispatched provides protection against dust and mechanical damage during transport, thus ensuring that all our products arrive in perfect condition.

We select our packaging for maximum environmental compatibility and reusability (e.g. crumpled paper for protection during transport in packages up to 32 kg) and, in particular, with a view to reducing waste.

With our multi-unit and reusable packaging, we offer you specific types of packaging that are both kind to the environment and tailored to your requirements:

Your advantages at a glance:

- Lower ordering costs.
- Cost savings through same-material type packaging: Low/no disposal costs.
- Reduced time and cost thanks to short unpacking times.
- "Just-in-time" delivery directly to the production line helps reduce stock: Cost savings through reduction of storage areas.
- Fast assembly thanks to supply in sets.
- Standard Euro boxes - corresponding to the Euro pallet modular system - suitable for most conveyor systems.
- Active contribution to environmental protection.

Unless stated otherwise in the "Selection and ordering data" of this catalog, our products are supplied individually packed.

> For small parts/accessories, we offer you cost-effective packaging units as standard packs containing more than one item, e.g. 5, 10, 50 or 100 units. It is essential that whole number multiples of these quantities be ordered to ensure satisfactory quality of the products and problem-free order processing.

The products are delivered in a neutral carton. The label includes warning notices, the CE marking, and device descriptions in English and German.

In addition to the Article No. (MLFB) and the number of items in the packaging, the operating instructions order number (Instr.-Order-No.) is also specified. They can be obtained from your local Siemens representative (you will find a list at www.siemens.com/automation/partner).

Most device Article No.'s can be obtained by means of the EAN barcode to simplify ordering and storage logistics.

The associated master data, too, is available from your local Siemens representative.

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Ordering notes

Overview

Ordering special versions

When ordering products that differ from the standard versions listed in the catalog, **"–Z"** must be added to the Article No. indicated and the required features must be specified using alphanumeric order codes or plain text.

Ordering very small quantities

When very small orders are placed, the costs associated with order processing are greater than the order value. We therefore recommend that you combine several small orders. Where this is not possible, we regret that we are obliged to make a small processing charge: for orders with a net goods value of less than € 250 we charge an € 20 supplement to cover our order processing and invoicing costs.

Explanations of Selection and Ordering Data

Delivery time class (DT)

DT	Meaning
►	Preferred type
A	Two working days
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 specified delivery times are correct at the time of going to print and are subject to constant optimization. Up-to-date information can be found at www.siemens.com/industrymall.

Price units (PU)

The price unit defines the number of units, sets or meters to which the specified price and weight apply.

PS/P. unit (packaging size/packaging unit)

The packaging size/packaging unit defines the number, e.g. of units, sets or meters, contained within outer packaging:

- 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 within the outer packaging (e.g. in a carton). You must order this quantity or a multiple thereof if you want the items to be delivered in discrete packaging quantities.

Examples:

PS/P. unit	Meaning
1 unit	You can order one item or a multiple thereof.
5 units	Five units are packed in a bag, for example. 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 units	One carton contains (for example) 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. Ordering a quantity of 220 units would result in the following delivery: two cartons, each containing 100 units (= 200 units) and 4 bags, each containing 5 units (= 20 units).
1 set	A set comprises a defined number of different parts.

Price group (PG)

Each product is allocated to a price group.

Weight

The defined weight is the net weight in kg and refers to the price unit (PU).

Examples

DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS/ P. unit	PG	Weight per PU approx. kg
►	**3NW7013**		1	1/12 units	1BM	0.076

DT: Preferred type
PU: One unit (on which price is based)
PS/P. unit: 1 = minimum order quantity / 12 = quantity per carton
PG: 1BM
Weight per PU: 76 g, always given in kg

DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS/ P. unit	PG
	3VA1196-3ED26-0AA0		1	1 unit	1CB

PU: One unit (on which price is based)
PS/P. unit: 1 = minimum order quantity
PG: 1CB

Note:
The article numbers shown here are examples only. They are not necessarily included in this catalog, nor is it essential that their specifications regarding selection and ordering data be up to date. When ordering, always use the selection and ordering data.

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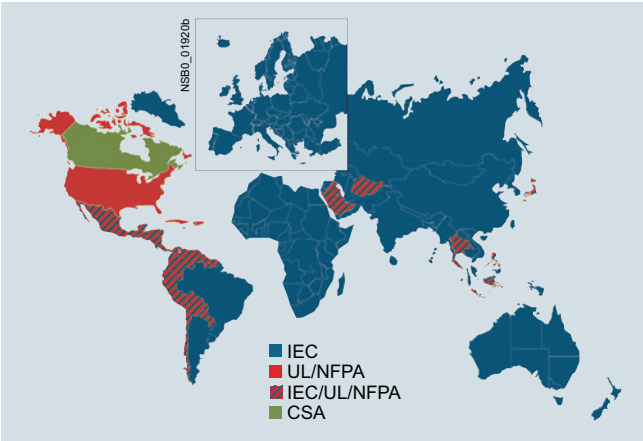
Low-voltage power distribution and electrical installation technology. The secrets of UL. You have our support.



Application range

We support you where UL is concerned

Product liability laws in the USA are significantly stricter than in Europe. Anybody wishing to export their products to North America is strongly advised to have them certified to UL standards, particularly where electrical equipment is concerned. We can help you with our comprehensive know-how and broad portfolio of UL-certified low-voltage controls.

Who or what is UL?

UL (Underwriters Laboratories Inc.®) is one of the world's leading organizations involved in product safety testing and certification. This independent, non-profit making US-based organization was founded in 1894 by American fire insurance groups, with the intention of investigating the fire hazards presented by electrical devices.

Today, UL checks and certifies the operational safety of all kinds of materials, components and end products, particularly with regard to the possibility of personal injury and the development of fires. There are branches in numerous European countries. You can obtain more detailed information about this US organization, as well as options for contacting the numerous branches throughout Europe, on the Internet at www.ul.com.

Differences between UL and IEC

The IEC standards for the IEC market merely define the minimum safety requirements for a device or system. The technical details relating to how safety requirements are to be implemented in practice remain a matter for the manufacturer.

By contrast, the guidelines for the US market are much more specific. Depending on the standard, the entire process may require monitoring – from product design and manufacture, to application and installation, right through to operation.

NFPA79 is the electrical standard for industrial machinery outside the control cabinet. As such it differs from and is the counterpart to the control cabinet standard UL 508A.

A UL partner since 1969

Enlisting the expertise of a competent partner such as Siemens is a wise option for anyone who wishes to avoid unnecessary aggravation and save both time and money.

At our electronics plant in Amberg, Germany, which develops and manufactures the entire range of low-voltage controls, we have been collaborating closely with Underwriters Laboratories Inc. since 1969.

Right from the product development stage, we take not only IEC guidelines, but also UL standards, into account. This has resulted in a wide-ranging portfolio of UL-certified low-voltage switchgear, controlgear and protection circuit technology.

We therefore offer comprehensive know-how on the subject of UL certification, ranging from production down to control panel wiring according to UL standards, which we will be pleased to explain to you within the scope of our application consulting service.

Our range of low-voltage controls enables you to play safe where UL is concerned, and allows you to assemble UL-compliant control cabinets quickly and easily.

Cost-effectiveness in the building and operation of switchgear and control cabinets for North America

- Stay flexible for the widest range of solutions and expansions with our comprehensive, coordinated product portfolio, from the infeed of the machine control system to the smallest actuator in the machine.
- Reap the benefits of efficient stock keeping thanks to the universal usability of the products (IEC-UL/CSA).
- Implement a uniform operating and maintenance concept thanks to our standard system.
- Save space and costs with coordinated product interfaces and compact designs.
- Experience easy, efficient local operation thanks to user-friendliness.

UL-certified products

UL-certified products to be found in this catalog include, for example:

- SENTRON protection, switching, measuring and monitoring devices
- SIVACON 8MR system air-conditioning
- ALPHA FIX terminal blocks

In catalog LV 16, you will also find a comprehensive selection of controls and components for applications according to UL.

On the Internet, you will find information on topics including UL standards, UL classifications and a number of technical particularities of UL.

Under "Information Material" → "Standards and Approvals" we have summarized the available products and product groups. A table lists the UL standards to which the products conform and refers to the corresponding UL reports.

For more information see
www.siemens.com/applicationconsulting/ul

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ATEX explosion protection

Overview

In many industries the production, processing, transport and storage of combustible substances are prone to the escape of gases, vapors or spray which then find their way into the environment. Other processes produce combustible dust. Together with the oxygen in the air, the result can be a potentially explosive atmosphere which will explode if ignited.

Serious injury to persons and damage to property can result, particularly in the chemical and petrochemical industries, mineral oil and natural gas production, mining, mills (e.g. grain, bulk solids) and many other industrial sectors.

To ensure the maximum possible safety in these areas, legislators in most countries have drawn up requirements in the form of laws, regulations and standards. In the course of globalization, great progress has been made with regard to uniform directives for explosion protection.

With Directive 94/9/EC, the European Union laid the foundations for complete harmonization by requiring that all new devices as from July 1st, 2003 have to be approved in accordance with this directive.

In this catalog, special attention is drawn to devices which comply with the ATEX Directive. However, it does not replace the need for intensive study of the relevant fundamentals and directives when planning and installing electrical systems.

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Low-voltage power distribution and electrical installation technology on the WWW

We regard product support to be just as important as the products and systems themselves.

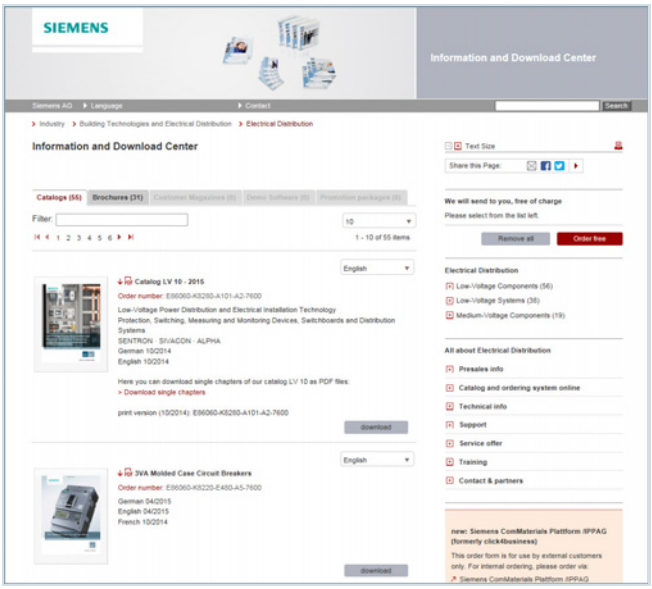
Visit our website for a comprehensive offering of support for low-voltage power distribution and electrical installation products, such as:

- Overview of the entire product portfolio
- Keeping up to date via newsletters, podcasts, blogs and Twitter
- Access to interesting videos on YouTube
- Contact with partners around the world
- Operating instructions and manuals for direct download

and much more - all conveniently and easily accessible.

www.siemens.com/lowvoltage

Information and Download Center



You will find regularly updated information material such as catalogs, customer magazines, brochures and trial versions of software for low-voltage power distribution and electrical installations on the Internet at

www.siemens.com/lowvoltage/infomaterial

Here you can order your copy of the available documentation or download it in common file formats (PDF, ZIP).

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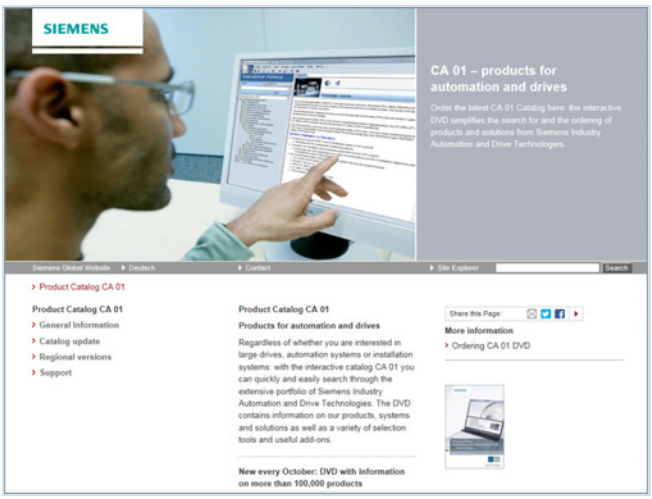
Further documentation

Product selection using the interactive catalog CA 01



Detailed information together with user-friendly interactive functions:

The interactive catalog CA 01 with more than 80,000 products provides a comprehensive overview of the product range from Siemens Industry.

You can find everything you need here for solving automation, switching, installation and drive technology tasks. All information is provided over a user interface that is both user-friendly 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 about the interactive catalog CA 01 can be found on the Internet at:

www.siemens.com/automation/ca01

or on DVD.

Industry Mall

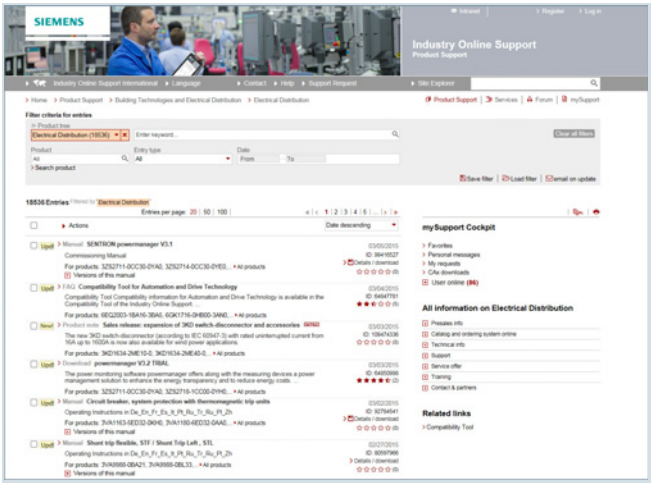
The Industry Mall – for online information, product selection and ordering:

- Detailed information including product data, illustrations, certificates and CAx data
- Simple configuring of systems
- Possible to request individualized quotations
- Availability check
- Online ordering facility
- Order tracking/order overview
- Fast access to relevant training offers and services

You can find the Industry Mall on the Internet at

www.siemens.com/industrymall

Industry Online Support



Comprehensive support – at any time, whatever your location

- FAQs, sample applications, information about successor products and product news
- Prompt assistance with technical queries
- Discussions and best practice sharing with other users in the forum
- Provision of high-quality product data for your planning programs
- Faster access to information – with helpful filter and folder functions in mySupport
- Automatic notification service to keep you up to date with the latest information about topics of interest to you

To find the link to Siemens Industry Online Support, go to

www.siemens.com/lowvoltage/product-support

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Industry Online Support App

Main functions at a glance

- Scanning of product codes (EAN/QR and data matrix codes) with direct display of all technical information on the product, including graphic data (CAx data).
- Delivery of product information or entries by e-mail, so that the information can immediately be processed at the workplace.
- Submission of queries to Technical Support (Support Requests). With photo function for transmitting detailed information.
- Contents and interfaces available in six languages (German, English, French, Italian, Spanish and Chinese) – including option of temporary switchover to English.
- Offline cache function for all favorites stored in "mySupport". These entries can also be retrieved without network reception.
- Import of PDF documents into a library (e.g. iBooks or similar).
- An overview of the main functions can be found at

www.siemens.com/lowvoltage/support-app

Android:

ANDROID APP ON Google play

Industry Online Support App ANDROID

Apple iOS:

Available on the App Store

Industry Online Support App iOS

Windows:

Download from Windows Phone Store

Industry Online Support App WINDOWS 8

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Further documentation

Product configurator

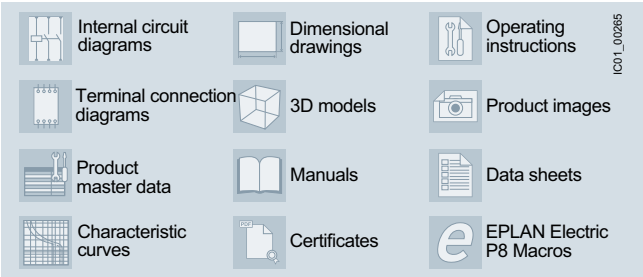
Finding the right product faster

- Complete selection of products and systems based on technical characteristics or application requirements
- Simple, intuitive operation
- Option to save the configuration and order lists in a file format of your choice (txt, pdf, xls, csv)
- Direct transfer of the order list into the shopping cart of the Siemens Industry Mall
- Fast access to product data, diagrams, certificates and CAx data for the selected product and system configuration
- Available in multiple languages for use by customers anywhere in the world

The configurators are available online in the Siemens Industry Mall and offline in Catalog CA 01.
You can find our configurators at the following website:

www.siemens.com/lowvoltage/configurators

CAx Download Manager



You can find the CAx Download Manager on the Internet at

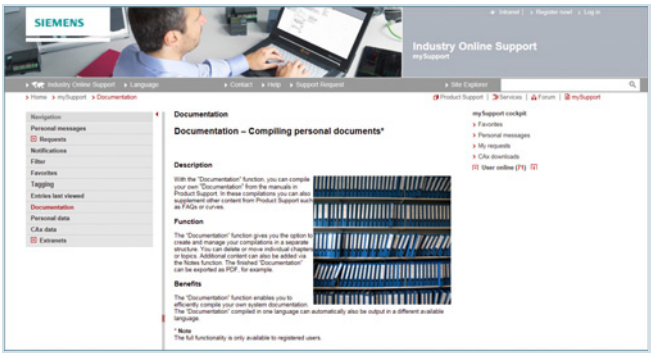
Time savings of up to 80 % with universal product data for your CAE and CAD systems

The CAx Download Manager can supply you with all the necessary CAx file types for the products of your choice for use in all common CAE and CAD systems. The data contained in the files is continuously updated. The whole process involves only four selection steps and is free of charge. All your selected files are packed into a zip file which you can download for further use.

Siemens makes available up to 12 file types to support your mechanical (CAD) and electrical (CAE) planning processes for you to download at any time of the day.

- No manual data collection necessary
- Universal manufacturer data for all common CAE and CAD systems
- Standardized documentation is simple to generate
- Choice of different languages for system commissioning anywhere in the world

My Documentation Manager



In "mySupport" you can compile individual documentation for your project by dragging and dropping

* e.g. Low Voltage Directive 2006/95/EC and EC Machinery Directive 2006/42/EC

You can find My Documentation Manager on the Internet at

www.siemens.com/lowvoltage/mdm

User-friendly compilation of project-specific documentation

In accordance with directives*, the documentation is part of the plant and requires certification, thus giving the purchaser the right to full plant documentation.

To support you in this, a manual configurator has been developed with which you can put together individual and standard-compliant documentation – fully in accordance with the relevant project-specific requirements.

You can thus select the chapters relevant to the respective project from the available manuals of the installed Siemens components. FAQs, certificates, data sheets and your own content can also be incorporated.

- Compile and structure manuals, data sheets, FAQs and certificates simply by dragging and dropping
- Insert personalized content via the Notes function
- Further processing possible thanks to selectable export formats (pdf, xml, rtf)
- After generating the documentation, automatic translation into the desired language is possible
- Always up-to-the minute thanks to the Update function

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Overview

The quality management system of our "Low Voltage & Products" Business Unit in the "Energy Management" Division complies with the international EN ISO 9001 standard.

The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with EN ISO 9001:2008.

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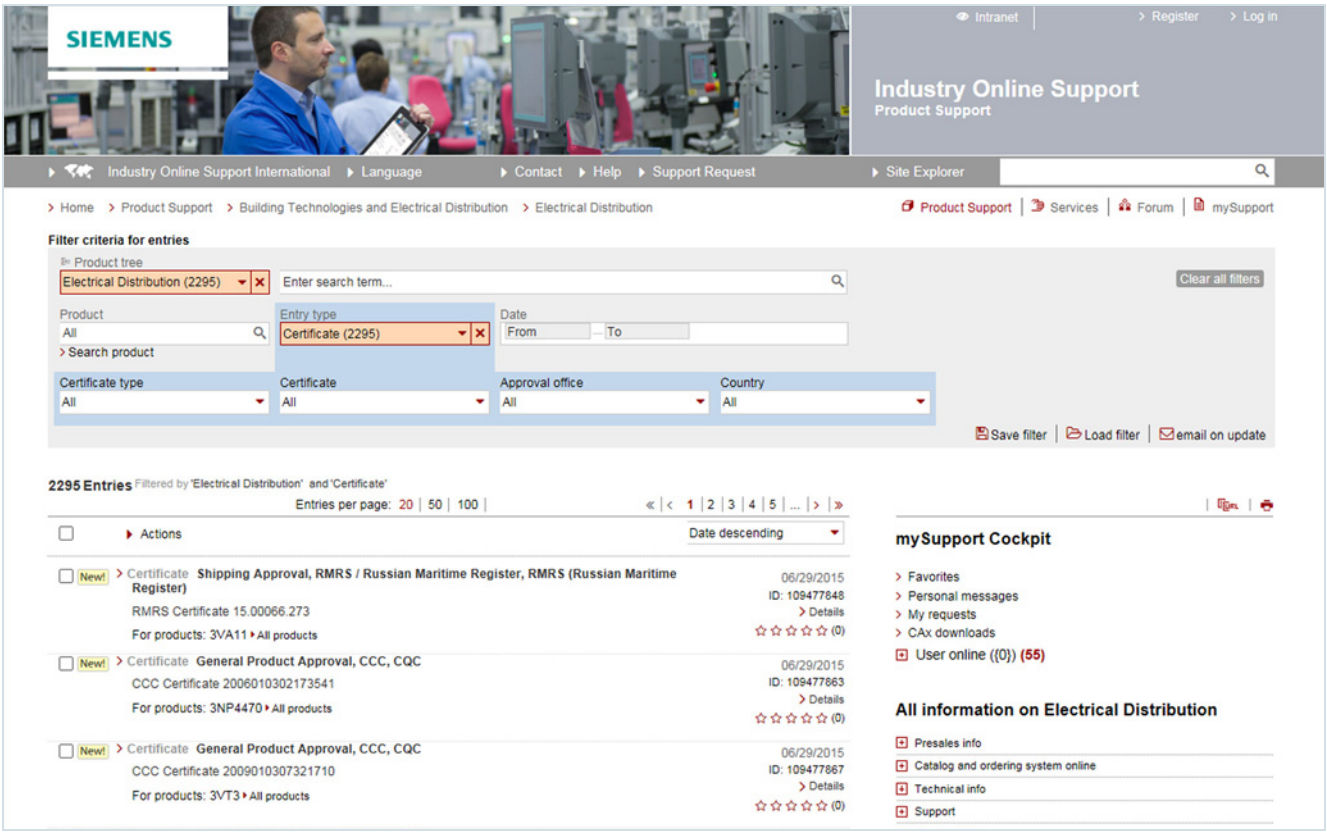
Overview

Certificates

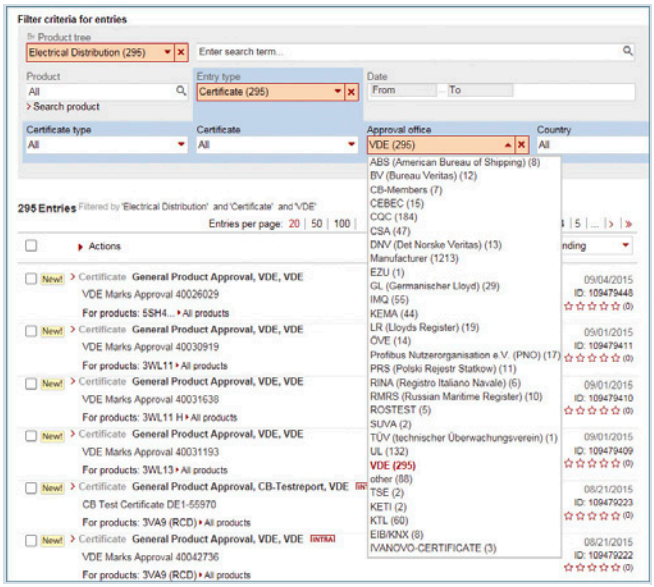
An overview, updated on a daily basis, of our products certified in accordance with CE, UL, CSA, FM, shipping authorizations etc. for low-voltage power distribution and electrical installation products can be found on the Internet at

www.siemens.com/lowvoltage/certificates



In the **Entry list** you can **filter the view** in order to quickly find comprehensive information on the following subjects:

- Product or search term
- Date
- Type of certificate (general product approval, test certificates, shipping approval, ...)
- Certificate (confirmations, UL, VDE,...)
- Approval office (TÜV, VDE, UL, ...)
- Country



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Approval requirements valid in different countries

Siemens low-voltage switchgear and controlgear are designed, manufactured and tested according to the relevant German standards (DIN and VDE), IEC publications and European standards (EN) as well as CSA and UL standards. You will find the standards assigned to the single devices in the relevant certificates at

www.siemens.com/lowvoltage/certificates

In addition to the pertinent VDE, EN and IEC standards, the requirements of the various regulations valid in other countries have also been taken into account in the design of the equipment in some cases, in order that the devices can be deployed globally as far as possible.

In some countries an approval is required for certain low-voltage switchgear and controlgear components. Depending on the market requirements, these devices have been submitted for approval to the authorized testing institutes.

In some cases, CSA for Canada and UL for the USA only approve special versions. Such special versions are listed separately from the standard versions in the relevant parts of this catalog.

For this equipment, there are sometimes limits with regard to the maximum permissible voltages, currents and rated outputs or special approvals and, in some cases, special identification may be required.

For use on board ship, the specifications of the marine classification societies must be observed. In some cases, they require type tests of the components to be approved.

If you have any questions concerning UL/CSA approvals, please contact Technical Support:
www.siemens.com/lowvoltage/contact

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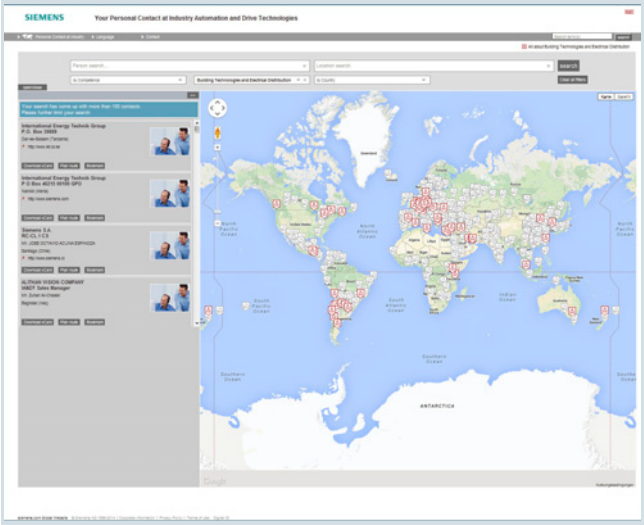
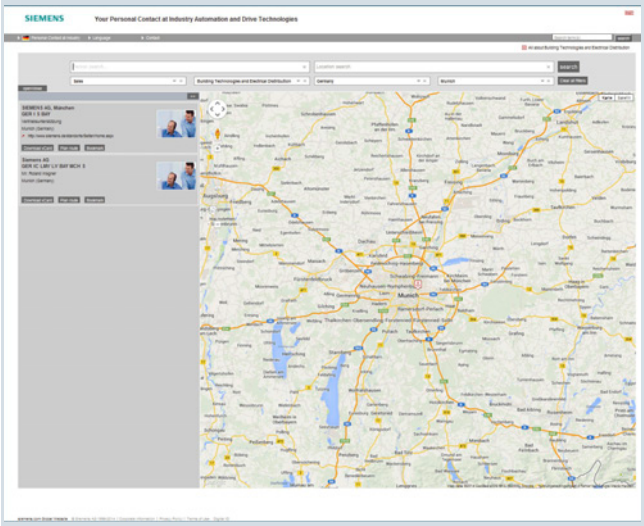
Siemens contacts

Contacts for low-voltage power distribution and electrical installation technology





With low-voltage power distribution and electrical installation technology we consistently pursue one goal:

long-term improvement of your competitive ability.

We are committed to this goal. Thanks to our dedication, we are continually setting new standards. In all industries – worldwide.

At your service, locally, around the globe: Partners for consulting, sales, training, service, support, spare parts ... on the entire range of low-voltage power distribution and electrical installation technology.

Your personal contact can be found in our Contact Database at

www.siemens.com/lowvoltage/contact

You start by selecting a

- Competence
- Product or branch
- Country
- City.

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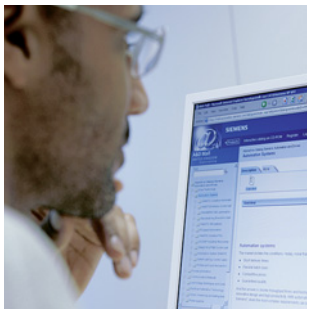
Unrivaled complete range of services over the entire life cycle

Online Support



Our comprehensive online information platform covers every aspect of our Service & Support and is available whenever, wherever.

More detailed information is available at
www.siemens.com/lowvoltage/product-support

Field Service

Siemens Field Service offers support with all aspects of maintenance – so that the availability of your machines and plants is assured whatever the case.

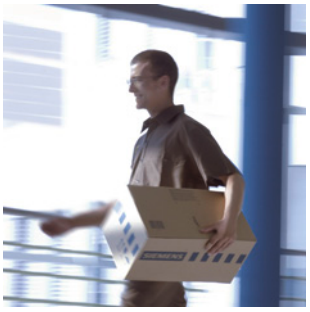
More detailed information is available at
www.siemens.com/lowvoltage/contact

Technical Support

The competent consulting service for technical issues with a broad range of customer-oriented services for all our products and systems.

More detailed information is available at
www.siemens.com/lowvoltage/contact

Spare Parts



Plants and systems in all industries worldwide are expected to meet ever higher levels of availability.

We can help you rule out unexpected stoppages: with a global network and optimum logistics chains.

You will find further information at
www.siemens.com/lowvoltage/contact

Training

Extend your lead – with practice-related know-how straight from the manufacturer.

More detailed information is available at
www.siemens.com/lowvoltage/training

Specification texts

You can obtain qualified, free support to help you produce specifications for technically equipping non-residential and industrial buildings at
www.siemens.com/specifications

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Comprehensive support from A to Z

Overview

Product information	
Website	Fast and targeted information on low-voltage power distribution and electrical installation technology: www.siemens.com/lowvoltage
Newsletter	Always up to date about our trend-setting products and systems: www.siemens.com/lowvoltage/newsletter
Product information/product & system selection	
Information and Download Center	Current catalogs, customer magazines, brochures, demo software and promotion packages: www.siemens.com/lowvoltage/infomaterial
Industry Mall	Comprehensive information and order platform for the Siemens Industry Basket: www.siemens.com/lowvoltage/mall
CA 01	The interactive catalog on DVD for automation and drive technology and low-voltage power distribution and electrical installation products
Product and system engineering	
SIMARIS software tools	Support in planning and configuring the electrical power distribution: www.siemens.com/simaris
SIMARIS ConFiguration Basic planning and configuration tool	Assists in generating offers and configuring products ranging from ALPHA distribution boards to the SIKUS 1600 power distribution boards www.siemens.com/scfb
Product documentation	
Siemens Industry Online Support	Comprehensive technical information - from planning to configuration and operation: www.siemens.com/lowvoltage/product-support
Product configurator	Complete selection of products and systems based on technical characteristics or application requirements: www.siemens.com/lowvoltage/configurators
CAx Download Manager	Collation of CAx data types for standard CAE and CAD systems: www.siemens.com/lowvoltage/cax
My Documentation Manager	Compilation of project-specific documentation: www.siemens.com/lowvoltage/mdm
Image database	Collection of product photographs and graphics, such as dimensional drawings and internal circuit diagrams: www.siemens.com/lowvoltage/picturedb
Product training	
SITRAIN Portal	Comprehensive training program for our products, systems and engineering tools: www.siemens.com/lowvoltage/training
Product hotline	
Technical Support	Support in all technical queries about our products: www.siemens.com/lowvoltage/contact www.siemens.com/lowvoltage/technical-support

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Overview

Software types

Software requiring a license is categorized into types.
The following software types have been defined:

- Engineering software
- Runtime software

Engineering software

This includes all software products for creating (engineering) user software, e.g. for configuring, programming, parameterizing, testing, commissioning or servicing.

Data generated with engineering software and executable programs can be duplicated for your own use or for use by third-parties free-of-charge.

Runtime software

This includes all software products required for plant/machine operation, e.g. operating system, basic system, system expansions, drivers, etc.

The duplication of the runtime software and executable programs created with the runtime software for your own use or for use by third-parties is subject to a charge.

You can find information about license fees according to use in the ordering data (e.g. in the catalog). Examples of categories of use include per CPU, per installation, per channel, per instance, per axis, per control loop, per variable, etc.

Information about extended rights of use for parameterization/configuration tools supplied as integral components of the scope of delivery can be found in the readme file supplied with the relevant product(s).

License types

Siemens Industry Automation & Drive Technologies offers various types of software license:

- Floating license
- Single license
- Rental license
- Rental floating license
- Trial license
- Demo license
- Demo floating license

Floating license

The software may be installed for internal use on any number of devices by the licensee. Only the concurrent user is licensed. The concurrent user is the person using the program. Use begins when the software is started.
A license is required for each concurrent user.

Single license

Unlike the floating license, a single license permits only one installation of the software per license.

The type of use licensed is specified in the ordering data and in the Certificate of License (CoL). Types of use include for example per instance, per axis, per channel, etc.

One single license is required for each type of use defined.

Rental license

A rental license supports the "sporadic use" of engineering software. Once the license key has been installed, the software can be used for a specific period of time (the operating hours do not have to be consecutive).
One license is required for each installation of the software.

Rental floating license

The rental floating license corresponds to the rental license, except that a license is not required for each installation of the software. Rather, one license is required per object (for example, user or device).

Trial license

A trial license supports "short-term use" of the software in a non-productive context, e.g. for testing and evaluation purposes.
It can be transferred to another license.

Demo license

The demo license support the "sporadic use" of engineering software in a non-productive context, for example, use for testing and evaluation purposes. It can be transferred to another license. After the installation of the license key, the software can be operated for a specific period of time, whereby usage can be interrupted as often as required.

One license is required per installation of the software.

Demo floating license

The demo floating license corresponds to the demo license, except that a license is not required for each installation of the software. Rather, one license is required per object (for example, user or device).

Certificate of license (CoL)

The CoL is the licensee's proof that the use of the software has been licensed by Siemens. A CoL is required for every type of use and must be kept in a safe place.

Downgrading

The licensee is permitted to use the software or an earlier version/release of the software, provided that the licensee owns such a version/release and its use is technically feasible.

Delivery versions

Software is constantly being updated.
The following delivery versions

- PowerPack
- Upgrade

can be used to access updates.

Existing bug fixes are supplied with the ServicePack version.

PowerPack

PowerPacks can be used to upgrade to more powerful software. The licensee receives a new license agreement and CoL (Certificate of License) with the PowerPack. This CoL, together with the CoL for the original product, proves that the new software is licensed.
A separate PowerPack must be purchased for each original license of the software to be replaced.

Upgrade

An upgrade permits the use of a new version of the software on the condition that a license for a previous version of the product is already held.
The licensee receives a new license agreement and CoL with the upgrade. This CoL, together with the CoL for the previous product, proves that the new version is licensed.
A separate upgrade must be purchased for each original license of the software to be upgraded.

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Software Licenses

Overview

ServicePack

ServicePacks are used to debug existing products. ServicePacks may be duplicated for use as prescribed according to the number of existing original licenses.

License key

Siemens Industry Automation & Drive Technologies supplies software products with and without license keys.

The license key serves as an electronic license stamp and is also the "switch" for activating the software (floating license, rental license, etc.).

The complete installation of software products requiring license keys includes the program to be licensed (the software) and the license key (which represents the license).

Software Update Service (SUS)

As part of the SUS contract, all software updates for the respective product are made available to you free of charge for a period of one year from the invoice date. The contract will automatically be extended for one year if it is not canceled three months before it expires.

The possession of the current version of the respective software is a basic condition for entering into an SUS contract.

You can download explanations concerning license conditions from www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

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5ST1141	11/5	N	N
5ST1142	11/5	N	N
5ST1145	11/5	N	N
8GF			
8GF9324-2	9/15, 9/16, 9/18	N	N
8WA1			
8WA1010-1PH01	9/11	N	N
8WA1010-1PQ00	7/26	N	N
8WA1011-0DF21	9/9	N	N
8WA1011-0DF22	9/9	N	N
8WA1011-0DG21	9/10	N	N
8WA1011-0DG22	9/10	N	N
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8WA1011-1BF22	9/9	N	N
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8WA1011-1BF25	9/9	N	N
8WA1011-1BF26	9/9	N	N
8WA1011-1BG11	9/10	N	N
8WA1011-1BG21	9/10	N	N
8WA1011-1BG22	9/10	N	N
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8WA1011-1PM00	9/13	N	N
8WA1011-1SF12	9/25	N	N
8WA1011-1SF13	9/25	N	N
8WA1011-1SF15	9/25	N	N
8WA1011-1SF30	9/25	N	N
8WA1011-1SF31	9/25	N	N
8WA1011-1SF32	9/25	N	N
8WA1011-2BG11	9/19	N	N

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		ECCN	AL
8WA1011-2DG11	9/19	N	N
8WA1011-3DF21	9/9	N	N
8WA1011-3DG21	9/10	N	N
8WA1011-3DH21	9/11	N	N
8WA1011-3JF16	9/17	N	N
8WA1011-3JF17	9/17	N	N
8WA1011-3JF18	9/17	N	N
8WA1011-3JF20	9/17	N	N
8WA1011-6BG11	9/19	N	N
8WA1011-6DG11	9/19	N	N
8WA1011-6EG20	9/21	N	N
8WA1011-6EG22	9/21	N	N
8WA1011-6EG23	9/21	N	N
8WA1011-6EG24	9/21	N	N
8WA1011-6EG25	9/22	N	N
8WA1011-6EG44	9/22	N	N
8WA1204	9/12	N	N
8WA1205	9/12	N	N
8WA1206	9/13	N	N
8WA1216	9/13, 9/14	N	N
8WA1221	9/26	N	N
8WA1304	9/12	N	N
8WA1305	9/12	N	N
8WA1501	9/23	N	N
8WA1604	9/16	N	N
8WA1802	9/12, 9/14	N	N
8WA1803	9/12, 9/14	N	N
8WA1804	9/12, 9/14	N	N
8WA1805	11/5	N	N
8WA1806	11/4	N	N
8WA1808	9/13, 9/18, 11/5	N	N
8WA1810	9/9, 9/13, 9/26	N	N
8WA1811	9/10, 9/11, 9/13, 9/18, 9/19, 9/20, 9/26	N	N
8WA1812	9/12, 9/13	N	N
8WA1813	9/12, 9/13	N	N
8WA1814	9/13	N	N
8WA1817	9/19, 9/20, 9/21, 9/22	N	N
8WA1820	9/9, 9/10, 9/14, 9/23, 9/26	N	N
8WA1821	9/11, 9/12, 9/14, 9/26	N	N
8WA1822-7AX00	9/15, 9/16	N	N
8WA1822-7AX01	9/9, 9/10, 9/11, 9/13, 9/18, 9/19, 9/20, 9/28, 9/29	N	N
8WA1822-7AX02	9/12, 9/13	N	N
8WA1822-7AX03	9/9, 9/10, 9/13, 9/28, 9/29	N	N
8WA1822-7AX03	9/18	N	N
8WA1822-7EE00	9/24	N	N
8WA1822-7EF16	9/25	N	N
8WA1822-7EF18	9/25	N	N
8WA1822-7EF21	9/25	N	N
8WA1822-7EF23	9/25	N	N
8WA1822-7EF25	9/25	N	N
8WA1822-7EF76	9/25	N	N
8WA1822-7EF78	9/25	N	N
8WA1822-7EF81	9/25	N	N
8WA1822-7EF83	9/25	N	N

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		ECCN	AL
8WA1822-7EF85	9/25	N	N
8WA1822-7PH00	9/28, 9/29	N	N
8WA1822-7TH00	9/17, 9/18, 9/28, 9/29	N	N
8WA1822-7TK00	9/12, 9/14	N	N
8WA1822-7VF01	9/9, 9/13	N	N
8WA1822-7VF02	9/18	N	N
8WA1822-7VF03	9/18	N	N
8WA1822-7VF10	9/18	N	N
8WA1822-7VG00	9/10, 9/13, 9/19, 9/20	N	N
8WA1822-7VG01	9/19, 9/20	N	N
8WA1822-7VH00	9/11, 9/13	N	N
8WA1822-7VH01	9/29	N	N
8WA1822-7VH10	9/28, 9/29	N	N
8WA1822-7VH12	9/26	N	N
8WA1822-7VH20	9/26	N	N
8WA1822-7VH22	9/28, 9/29	N	N
8WA1823	9/12, 9/13, 9/14, 9/19, 9/20	N	N
8WA1824	9/13, 9/14	N	N
8WA1825	9/9, 9/10, 9/11, 9/14, 9/19, 9/20, 9/28, 9/29	N	N
8WA1828	9/12, 9/14	N	N
8WA1835	9/19, 9/20	N	N
8WA1838	9/19, 9/20	N	N
8WA1842	9/12, 9/14	N	N
8WA1845	9/12, 9/14	N	N
8WA1848	9/12, 9/14	N	N
8WA1850	9/10, 9/14, 9/19, 9/20	N	N
8WA1851	9/10, 9/14, 9/19, 9/20	N	N
8WA1852	9/10, 9/14, 9/19, 9/20	N	N
8WA1853	9/10, 9/14, 9/19, 9/20	N	N
8WA1857	9/18, 11/5	N	N
8WA1860	9/9, 9/13, 9/26	N	N
8WA1862	9/10, 9/11, 9/13, 9/18, 9/19, 9/20, 9/26	N	N
8WA1865	9/9, 9/10, 9/11, 9/14, 9/19, 9/20	N	N
8WA1885	9/11, 9/14, 9/28, 9/29	N	N
8WA1886	9/11, 9/14, 9/28, 9/29	N	N
8WA1887	9/11, 9/14, 9/28, 9/29	N	N
8WA1888	9/11, 9/14, 9/28, 9/29	N	N
8WA1891	9/25	N	N
8WA1892	9/12, 9/13	N	N
8WA1893	9/12, 9/13	N	N
8WA1895	9/9, 9/14	N	N
8WA1896	9/9, 9/14	N	N
8WA1897	9/9, 9/14	N	N
8WA1898	9/9, 9/14	N	N
8WA2			
8WA2011-3KE00	10/4	N	N
8WA2011-3KE01	10/4	N	N
8WA2011-3KE02	10/4	N	N
8WA2011-3KE10	10/4	N	N
8WA2011-3KE11	10/4	N	N
8WA2011-3KE12	10/4	N	N
8WA2011-3KE13	10/4	N	N
8WA2011-3KE30	10/4	N	N
8WA2011-3KE31	10/4	N	N
8WA2011-3KE33	10/4	N	N
8WA2011-3KE50	10/4	N	N
8WA2011-3KE51	10/4	N	N
8WA2842	3/9, 3/11, 3/14, 7/31, 8/10	N	N
8WA2867	3/9, 3/14, 8/10, 9/15, 9/16, 9/18	N	N
8WA2868	3/9, 3/14, 8/10, 9/16, 9/18	N	N
8WA2870	3/9, 3/14, 8/10, 9/16, 9/18	N	N
8WA2880	11/5	N	N
8WA7			
8WA7163	9/28, 9/29	N	N
8WA746	11/5	N	N
8WA752	11/5	N	N
8WA753	11/5	N	N
8WA7551	11/5	N	N
8WA8			
8WA8212-0AA65	9/18, 11/4	EAR99	N
8WA8310-2AY	11/3	N	N
8WA8347-□□□	11/3		
8WA8347-0XA	11/4	N	N
8WA8348-□□□	11/3		
8WA8348-0XA	11/4	N	N
8WA8348-2AY	9/18, 11/3	EAR99	N
8WA8360-□□□	11/3		
8WA8361-□□□	11/3		
8WA8826-0AA	11/4	N	N
8WA8826-0AB	11/4	N	N
8WA8826-0AC	11/4	N	N
8WA8850-2AY	11/2	N	N
8WA8851-2AY	11/2	N	N
8WH1			
8WH1000-0AF00	7/5	N	N
8WH1000-0AF01	7/5	N	N
8WH1000-0AF02	7/5	N	N
8WH1000-0AF03	7/5	N	N
8WH1000-0AF04	7/5	N	N
8WH1000-0AF06	7/5	N	N
8WH1000-0AF08	7/5	N	N
8WH1000-0AG00	7/5	N	N
8WH1000-0AG01	7/5	N	N
8WH1000-0AG02	7/5	N	N
8WH1000-0AG04	7/5	N	N
8WH1000-0AG08	7/5	N	N
8WH1000-0AH00	7/6	N	N
8WH1000-0AH01	7/6	N	N
8WH1000-0AH02	7/6	N	N
8WH1000-0AH08	7/6	N	N
8WH1000-0AJ00	7/6	N	N
8WH1000-0AJ01	7/6	N	N
8WH1000-0AK00	7/6	N	N
8WH1000-0AK01	7/6	N	N
8WH1000-0AM00	7/7	N	N
8WH1000-0AM01	7/7	N	N
8WH1000-0AN00	7/26	N	N
8WH1000-0AN01	7/26	N	N
8WH1000-0AQ00	7/26	N	N
8WH1000-0AQ01	7/26	N	N

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		ECCN	AL
8WH1000-0AS00	7/27	N	N
8WH1000-0AS01	7/27	N	N
8WH1000-0AU00	7/27	N	N
8WH1000-0AU01	7/27	N	N
8WH1000-0CF07	7/5	N	N
8WH1000-0CG07	7/5	N	N
8WH1000-0CH07	7/6	N	N
8WH1000-0CJ07	7/6	N	N
8WH1000-0CK07	7/7	N	N
8WH1000-0CM07	7/7	N	N
8WH1000-0CN07	7/26	N	N
8WH1000-0CQ07	7/26	N	N
8WH1000-1GG08	7/9	N	N
8WH1000-1HH08	7/9	N	N
8WH1000-1KG38	7/9	N	N
8WH1000-1MG88	7/9	N	N
8WH1000-1PH38	7/9	N	N
8WH1000-6AG00	7/11	N	N
8WH1000-6AH00	7/11	N	N
8WH1000-6CG00	7/10	N	N
8WH1000-6KG00	7/20	N	N
8WH1000-6LG00	7/20	N	N
8WH1000-7AH00	7/18	N	N
8WH1000-7BH00	7/18	N	N
8WH1001-0AK00	3/6	N	N
8WH1001-0AK01	3/6	N	N
8WH1001-0AM00	3/7	N	N
8WH1001-0AM01	3/7	N	N
8WH1001-0BJ01	3/11	N	N
8WH1001-0BK01	3/11	N	N
8WH1001-0BM01	3/11	N	N
8WH1001-0CK07	3/7	N	N
8WH1001-0CM07	3/7	N	N
8WH1020-0AF00	7/13	N	N
8WH1020-0AF01	7/13	N	N
8WH1020-0AG00	7/14	N	N
8WH1020-0AG01	7/14	N	N
8WH1020-0CF07	7/13	N	N
8WH1020-0CG07	7/14	N	N
8WH1020-5AF00	7/22	N	N
8WH1020-5BF00	7/22	N	N
8WH1020-5DF00	7/22	N	N
8WH1020-5FF00	7/22	N	N
8WH1020-5HF00	7/22	N	N
8WH1020-5JF30	7/22	N	N
8WH1020-5LF00	7/23	N	N
8WH1020-6AC00	7/16	N	N
8WH1020-6AG00	7/16	N	N
8WH1025-0AF00	7/13	N	N
8WH1025-0AG00	7/14	N	N
8WH2			
8WH2000-0AE00	4/10	N	N
8WH2000-0AE01	4/10	N	N
8WH2000-0AE02	4/10	N	N
8WH2000-0AE03	4/10	N	N
8WH2000-0AE04	4/10	N	N

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		ECCN	AL
8WH2000-0AE05	4/10	N	N
8WH2000-0AE06	4/10	N	N
8WH2000-0AE08	4/10	N	N
8WH2000-0AF00	4/11	N	N
8WH2000-0AF01	4/11	N	N
8WH2000-0AF02	4/11	N	N
8WH2000-0AF03	4/11	N	N
8WH2000-0AF04	4/11	N	N
8WH2000-0AF05	4/11	N	N
8WH2000-0AF06	4/11	N	N
8WH2000-0AF08	4/11	N	N
8WH2000-0AG00	4/13	N	N
8WH2000-0AG01	4/13	N	N
8WH2000-0AG02	4/13	N	N
8WH2000-0AG03	4/13	N	N
8WH2000-0AG04	4/13	N	N
8WH2000-0AG05	4/13	N	N
8WH2000-0AG06	4/13	N	N
8WH2000-0AG08	4/13	N	N
8WH2000-0AH00	4/15	N	N
8WH2000-0AH01	4/15	N	N
8WH2000-0AJ00	4/15	N	N
8WH2000-0AJ01	4/15	N	N
8WH2000-0AK00	4/16	N	N
8WH2000-0AK01	4/16	N	N
8WH2000-0AM00	4/17	N	N
8WH2000-0AM01	4/17	N	N
8WH2000-0CE07	4/10	N	N
8WH2000-0CF07	4/12	N	N
8WH2000-0CG07	4/14	N	N
8WH2000-0CH07	4/15	N	N
8WH2000-0CJ07	4/16	N	N
8WH2000-0CK07	4/16	N	N
8WH2000-0CM07	4/17	N	N
8WH2000-1AG08	4/22	N	N
8WH2000-1BG28	4/22	N	N
8WH2000-1BG38	4/22	N	N
8WH2000-1GG08	4/22	N	N
8WH2000-1HG08	4/22	N	N
8WH2000-1JG38	4/22	N	N
8WH2000-1JG68	4/22	N	N
8WH2000-1MG08	4/22	N	N
8WH2000-1RG08	4/22	N	N
8WH2000-6AF00	4/26	N	N
8WH2000-6AG00	4/26	N	N
8WH2000-6CF00	4/24	N	N
8WH2000-6CG00	4/24	N	N
8WH2003-0AE00	4/10	N	N
8WH2003-0AE01	4/10	N	N
8WH2003-0AF00	4/11	N	N
8WH2003-0AF01	4/11	N	N
8WH2003-0AF04	4/10, 4/11	N	N
8WH2003-0AG00	4/13	N	N
8WH2003-0AG01	4/13	N	N
8WH2003-0AH00	4/15	N	N
8WH2003-0AH01	4/15	N	N

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		ECCN	AL
8WH2003-0CE07	4/10	N	N
8WH2003-0CF07	4/12	N	N
8WH2003-0CG07	4/14	N	N
8WH2003-0CH07	4/15	N	N
8WH2003-5CF00	4/38	N	N
8WH2003-5DF00	4/38	N	N
8WH2003-6AF00	4/26	N	N
8WH2003-6CF00	4/24	N	N
8WH2004-0AE00	4/10	N	N
8WH2004-0AE01	4/10	N	N
8WH2004-0AF00	4/11	N	N
8WH2004-0AF01	4/11	N	N
8WH2004-0AF04	4/10, 4/11	N	N
8WH2004-0AG00	4/13	N	N
8WH2004-0AG01	4/13	N	N
8WH2004-0CE07	4/10	N	N
8WH2004-0CF07	4/12	N	N
8WH2004-0CG07	4/14	N	N
8WH2004-6AF00	4/26	N	N
8WH2004-6CF00	4/24	N	N
8WH2020-0AE00	4/29	N	N
8WH2020-0AE01	4/29	N	N
8WH2020-0AF00	4/30	N	N
8WH2020-0AF01	4/30	N	N
8WH2020-0AG00	4/32	N	N
8WH2020-0AG01	4/32	N	N
8WH2020-0CE07	4/29	N	N
8WH2020-0CF07	4/31	N	N
8WH2020-0CG07	4/32	N	N
8WH2020-4AF00	4/30	N	N
8WH2020-4BF00	4/31	N	N
8WH2020-4CF00	4/31	N	N
8WH2020-5AF00	4/39	N	N
8WH2020-5BF00	4/39	N	N
8WH2020-5DF00	4/39	N	N
8WH2020-5EF00	4/40	N	N
8WH2020-5GF00	4/40	N	N
8WH2020-5HF00	4/40	N	N
8WH2020-5JF30	4/40	N	N
8WH2020-5JF80	4/40	N	N
8WH2020-5KF00	4/40	N	N
8WH2022-0AF00	4/30	N	N
8WH2023-0AF00	4/30	N	N
8WH2023-0AF01	4/30	N	N
8WH2023-0CF07	4/31	N	N
8WH2025-0AE00	4/29	N	N
8WH2025-0AF00	4/30	N	N
8WH2025-0AF01	4/30	N	N
8WH2025-0AG00	4/32	N	N
8WH2030-0AF00	4/33	N	N
8WH2030-0AF01	4/33	N	N
8WH2030-4EF00	4/34	N	N
8WH2030-4HF00	4/34	N	N
8WH2035-0AF00	4/34	N	N
8WH2035-0CF07	4/34	N	N
8WH2040-4LF00	4/36	N	N
8WH2040-4LG00	4/36	N	N
8WH2103-2BF00	4/19	N	N
8WH2103-2BF01	4/19	N	N
8WH2103-2BG00	4/20	N	N
8WH2103-2BG01	4/20	N	N
8WH2103-3BF07	4/19	N	N
8WH2103-3BG07	4/20	N	N
8WH3			
8WH3000-0AE00	6/6	N	N
8WH3000-0AE01	6/6	N	N
8WH3000-0AF00	6/7	N	N
8WH3000-0AF01	6/7	N	N
8WH3000-0CE07	6/6	N	N
8WH3000-0CF07	6/7	N	N
8WH3000-6AE00	6/11	N	N
8WH3000-6AF00	6/12	N	N
8WH3003-0AE00	6/6	N	N
8WH3003-0AE01	6/6	N	N
8WH3003-0AF00	6/7	N	N
8WH3003-0AF01	6/7	N	N
8WH3003-0CE07	6/6	N	N
8WH3003-0CF07	6/7	N	N
8WH3004-0AE00	6/6	N	N
8WH3004-0AE01	6/6	N	N
8WH3004-0CE07	6/6	N	N
8WH3020-0AE00	6/10	N	N
8WH3020-0AE01	6/10	N	N
8WH3020-0CE07	6/10	N	N
8WH5			
8WH5000-0AF00	5/6	N	N
8WH5000-0AF01	5/6	N	N
8WH5000-0CF07	5/6	N	N
8WH5100-2PF00	5/7	N	N
8WH5100-3PF07	5/7	N	N
8WH6			
8WH6000-0AF00	2/6	N	N
8WH6000-0AF01	2/6	N	N
8WH6000-0AG00	2/7	N	N
8WH6000-0AG01	2/7	N	N
8WH6000-0AH00	2/8	N	N
8WH6000-0AH01	2/8	N	N
8WH6000-0AJ00	2/8	N	N
8WH6000-0AJ01	2/8	N	N
8WH6000-0AK00	2/9	N	N
8WH6000-0AK01	2/9	N	N
8WH6000-0AM00	2/9	N	N
8WH6000-0AM01	2/9	N	N
8WH6000-0CF07	2/7	N	N
8WH6000-0CG07	2/7	N	N
8WH6000-0CH07	2/8	N	N
8WH6000-0CJ07	2/8	N	N
8WH6000-0CK07	2/9	N	N
8WH6000-0CM07	2/9	N	N
8WH6000-1GG08	2/11	N	N
8WH6000-1KG38	2/11	N	N
8WH6000-1MG88	2/11	N	N

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		ECCN	AL
8WH6000-6AF00	2/13	N	N
8WH6000-6AG00	2/15	N	N
8WH6000-6CF00	2/15	N	N
8WH6000-6CG00	2/13	N	N
8WH6001-0AF00	3/4	N	N
8WH6001-0AF01	3/4	N	N
8WH6001-0AG00	3/5	N	N
8WH6001-0AG01	3/5	N	N
8WH6001-0AH00	3/5	N	N
8WH6001-0AH01	3/5	N	N
8WH6001-0BF01	3/9	N	N
8WH6001-0BG01	3/9	N	N
8WH6001-0BH01	3/9	N	N
8WH6001-0CF07	3/4	N	N
8WH6001-0CG07	3/5	N	N
8WH6001-0CH07	3/5	N	N
8WH6001-4CF00	3/13	N	N
8WH6001-4DF00	3/13	N	N
8WH6001-4EF00	3/13	N	N
8WH6001-4FF00	3/13	N	N
8WH6001-4GF00	3/13	N	N
8WH6001-4HF00	3/13	N	N
8WH6001-4MF00	3/13	N	N
8WH6001-4NF00	3/13	N	N
8WH6001-4PF00	3/13	N	N
8WH6001-4QF00	3/13	N	N
8WH6003-0AF00	2/6	N	N
8WH6003-0AF01	2/6	N	N
8WH6003-0AG00	2/7	N	N
8WH6003-0AG01	2/7	N	N
8WH6003-0CF07	2/7	N	N
8WH6003-0CG07	2/7	N	N
8WH6003-6AF00	2/13	N	N
8WH6003-6CF00	2/15	N	N
8WH6004-0AF00	2/6	N	N
8WH6004-0AF01	2/6	N	N
8WH6004-0AG00	2/7	N	N
8WH6004-0AG01	2/7	N	N
8WH6004-0CF07	2/7	N	N
8WH6004-0CG07	2/7	N	N
8WH6004-6AF00	2/13	N	N
8WH6004-6CF00	2/15	N	N
8WH6020-0AF00	2/17	N	N
8WH6020-0AF01	2/17	N	N
8WH6020-0AG00	2/17	N	N
8WH6020-0AG01	2/17	N	N
8WH6020-0CF07	2/17	N	N
8WH6020-0CG07	2/17	N	N
8WH6025-0AF00	2/17	N	N
8WH6025-0AG00	2/17	N	N
8WH8			
8WH8110-1AA05	8/3	N	N
8WH8110-2AA05	8/4	N	N
8WH8110-3AA05	8/5	N	N
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- the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1)] for other deliveries and services.

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- the "General Conditions for Supplies of Siemens Industry for Customers with a Seat or Registered Office outside of Germany"[1)] for other deliveries and services.

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The prices are in € (Euro) ex works, excluding 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.

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To compensate fluctuating prices of raw materials (for example silver, copper, aluminum, lead, gold, dysprosium and neodymium), surcharges are calculated on a daily basis for products containing these raw materials using the metal factor. A surcharge for the particular raw material is added to the price of a product if the basic quotations for this raw material are exceeded.

Each product's metal factor dictates for which raw materials the metal surcharges are calculated, from which quotation and with which calculation method (weight or percentage method).

An exact explanation of the metal factor can be found on the page entitled "Metal surcharges".

The surcharge will be calculated (except in the case of dysprosium and neodymium) on the basis of the official price on the day prior to receipt of the order or prior to the release order for calculation of the surcharge.

In the event of placement of an order, the relevant three-month average price from the quarter prior to order receipt or the release order shall be used with a one-month buffer to calculate the dysprosium and neodymium surcharge ("rare earths") (you will find details in the aforementioned explanation of the metal factor).

3. Additional terms and conditions

All dimensions are in mm. In Germany, according to the German law on units in metrology, data in inches only apply to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages of this catalog - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

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We shall not be obligated to fulfill this agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.

Export of the products listed in this catalog may be subject to authorization. In delivery information, we label authorization obligations according to German, European and US export lists. Goods labeled with an "AL" not equal to "N" are subject to European or German export authorization when being exported out of the EU. Goods labeled with "ECCN" not equal to "N" are subject to a US re-export authorization.

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1) You can download the text of the Siemens AG terms and conditions of trade at
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