

SIEMENS

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Low-Voltage Power Distribution and Electrical Installation Technology

Terminal Blocks

[siemens.com/lowvoltage](https://www.siemens.com/lowvoltage)

Catalog
Extract
LV 10

Edition
2025



Innovative solutions for industrial controls and power distribution

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Catalog LV 10 · 2025

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The products and systems described in this catalog are manufactured/ distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see www.siemens.com/system-certificates/ep).

The certificate is recognized by all IQNet countries.

Technical specifications

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

All illustrations are not binding.

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Low-Voltage Power Distribution and Electrical Installation Technology

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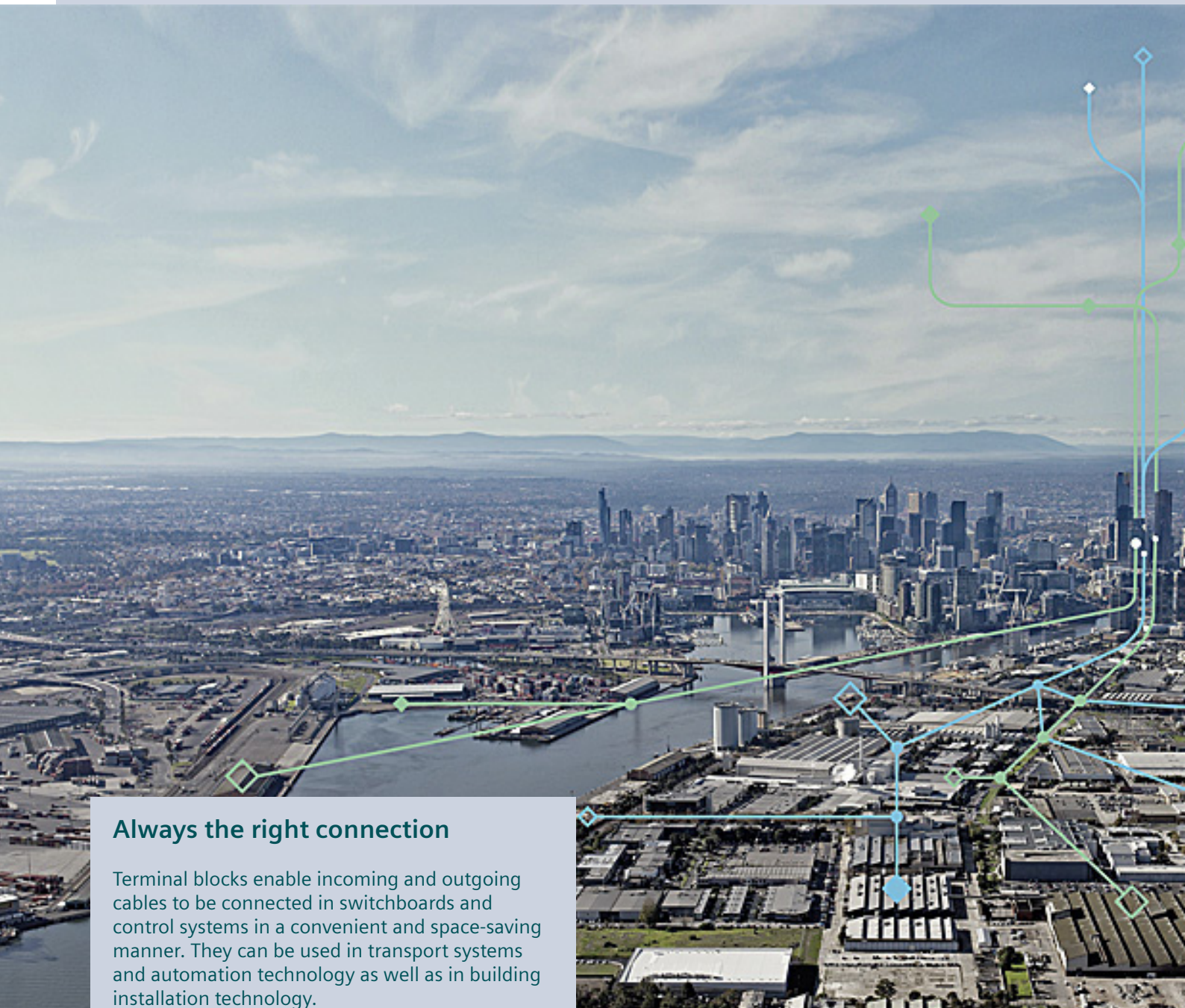
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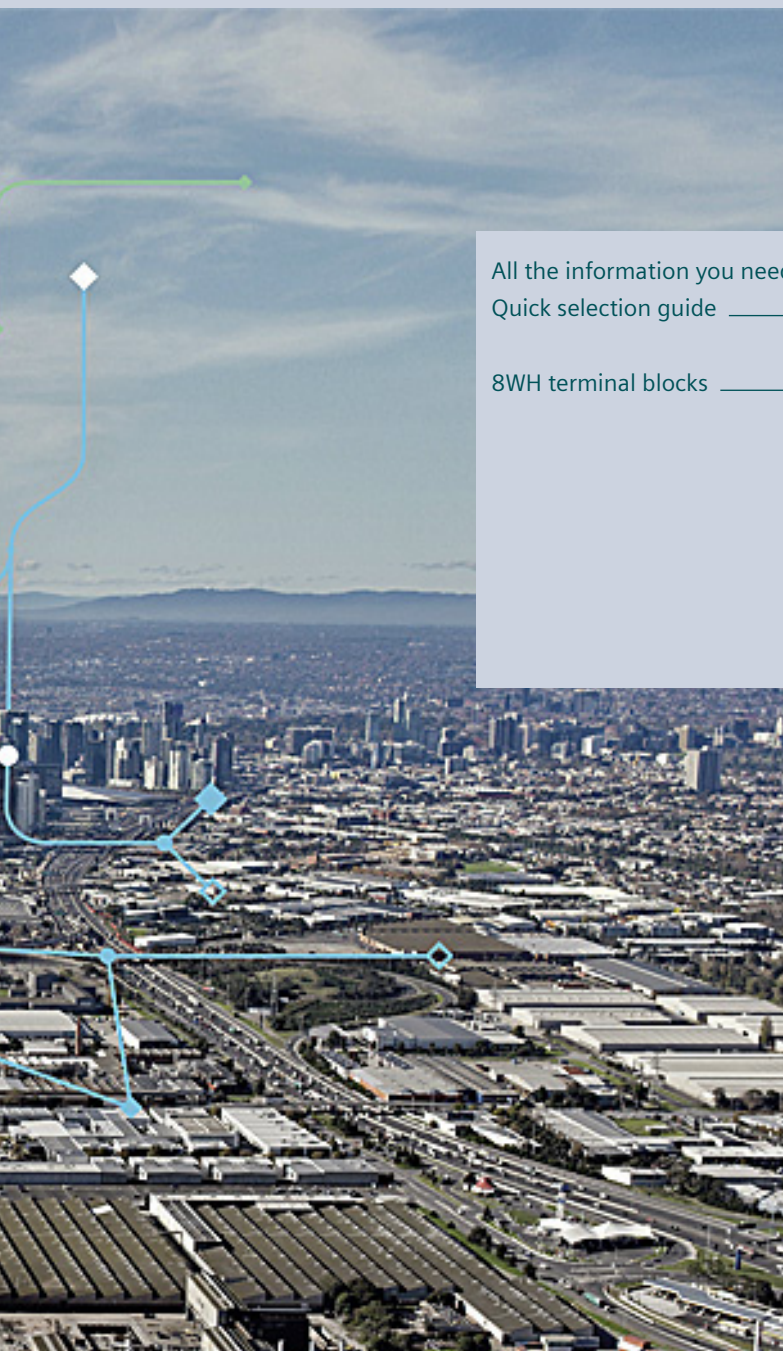


Always the right connection

Terminal blocks enable incoming and outgoing cables to be connected in switchboards and control systems in a convenient and space-saving manner. They can be used in transport systems and automation technology as well as in building installation technology.

We offer you the complete range of connection technology with screw terminals, spring-loaded terminals and In-Push-out (iPo) terminals, combination plug-in terminals, insulation displacement terminals and a wide variety of accessories. These can be combined with each other. This allows you to benefit from a high level of flexibility as well as simplified configuration.

Terminal Blocks



All the information you need	14/2
Quick selection guide	14/4
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A multitude of additional information ...

Information + ordering



All the important things at a glance

For information about terminal blocks, please visit our website www.siemens.com/distribution-components



Your product in detail

Use our conversion tool for quick and easy conversion to Siemens products www.siemens.com/conversion-tool



Siemens YouTube channel

- Siemens ALPHA FIX terminal blocks – 8WH2 terminal with spring-loaded-connection sie.ag/6FTjPN



Everything you need for your order

Refer to SiePortal to find an overview of your products (product catalog)

- Terminal blocks sie.ag/2kW8ZXo

Direct forwarding to the individual products in SiePortal by clicking on the article number in the catalog or entering this web address incl. article number www.siemens.com/product_catalog_SIEP?Article No.



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Commissioning + operation

Your product in detail

The SiePortal platform (knowledge base) provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

Online Support app available for download from the [App Store](#) and [Play Store](#)

You will find further information at

www.siemens.com/support-app

Provision of 3D data (step and u3d data formats)

- SiePortal (product catalog)
www.siemens.com/lowvoltage/product-catalog
- Image database
www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at

www.siemens.com/cax

Technical overview – Terminal blocks

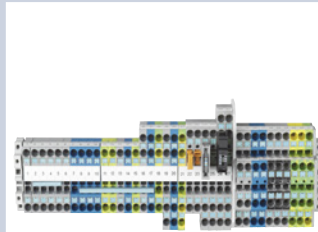


The fast way to get you to our online services

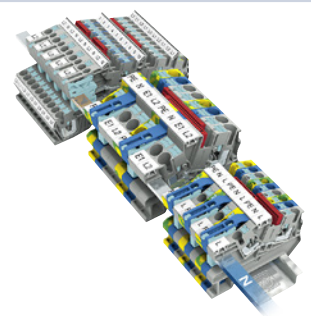
This page provides you with comprehensive information and links on terminal blocks

www.siemens.com/lowvoltage/product-support (109769088)

8WH terminal blocks

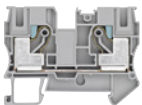


8WH6
iPo plug-in terminals



8WH6
iPo installation terminals

Through-type terminals



Through-type terminals

Two-tier terminals

Three-tier terminals

Four-tier motor terminals

2.5 ... 150 mm²[See page 14/6](#)2.5 ... 4 mm²[See page 14/9](#)

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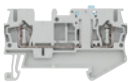
2.5 ... 35 mm²[See page 14/16](#)

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Isolating terminals



Isolating and isolating blade terminals

Two-tier isolating terminals

N conductor isolating terminals

Measuring transformer isolating terminals

2.5 ... 4 mm²[See page 14/10](#)

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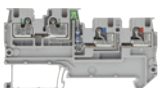
2.5 ... 35 mm²[See page 14/18](#)

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Initiator/actuator terminals



Initiator terminals

Actuator terminals

Infeed terminals

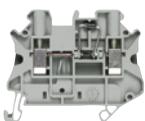
1.5 mm²[See page 14/13](#)1.5 mm²[See page 14/13](#)2.5 mm²[See page 14/14](#)

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Function terminals



Fuse terminals

Three-tier terminals

Three-tier isolating terminals

Diode terminals

Two-tier diode terminals

Shield terminals

4 mm²[See page 14/12](#)

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2.5 mm²[See page 14/20](#)2.5 mm²[See page 14/21](#)

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Further information

[From page 14/6](#)[From page 14/16](#)



8WH2
spring-loaded
terminals

1.5 ... 35 mm² [See page 14/22](#)

1.5 ... 4 mm² [See page 14/25](#)

2.5 mm² [See page 14/26](#)

2.5 ... 4 mm² [See page 14/27](#)

2.5 ... 4 mm² [See page 14/28](#)

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4 mm² [See page 14/30](#)

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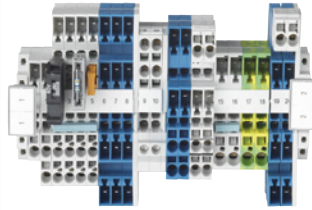
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2.5 mm² [See page 14/32](#)

2.5 mm² [See page 14/33](#)

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From page 14/22



8WH5
combination
plug-in terminals

2.5 mm² [See page 14/34](#)

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From page 14/34



8WH3
insulation displacement
terminals

1.5 ... 2.5 mm² [See page 14/38](#)

1.5 mm² [See page 14/39](#)

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1.5 ... 2.5 mm² [See page 14/40](#)

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From page 14/38



8WH1
screw terminals

2.5 ... 240 mm² [See page 14/42](#)

2.5 ... 4 mm² [See page 14/45](#)

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4 ... 6 mm² [See page 14/46](#)

4 mm² [See page 14/48](#)

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6 mm² [See page 14/49](#)

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4 ... 6 mm² [See page 14/50](#)

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4 mm² [See page 14/52](#)

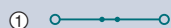
2.5 mm² [See page 14/53](#)

Diameter
2 ... 35 mm [See page 14/54](#)

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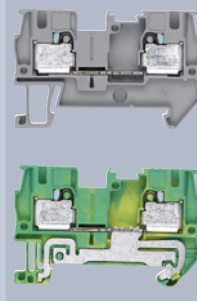
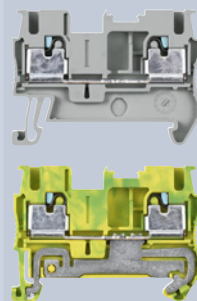
8WH6 iPo plug-in terminals

Through-type terminals



Terminal width
Max. load current $I_{\max}$
Max. operational voltage $U_{\max}$
AWG
Connection capacity, one rigid conductor
Connection capacity, one flexible conductor with end sleeve
Standard

Terminal size	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	24 A	32 A
Max. operational voltage $U_{\max}$	800 V	800 V
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.2 ... 4 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1, IEC 60947-7-2,

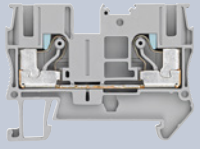
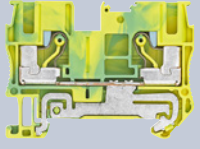
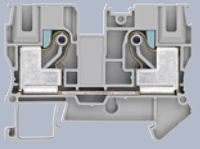
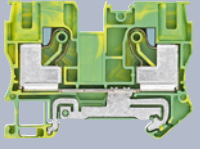
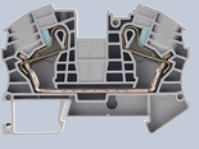
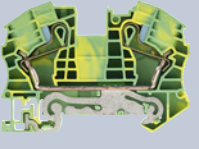
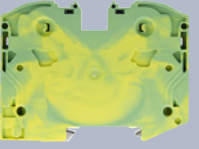


Terminals	Color		
① Through-type terminals			
2	● Gray	8WH6000-0AF00	8WH6000-0AG00
	● Blue	8WH6000-0AF01	8WH6000-0AG01
3	● Gray	8WH6003-0AF00	8WH6003-0AG00
	● Blue	8WH6003-0AF01	8WH6003-0AG01
4	● Gray	8WH6004-0AF00	8WH6004-0AG00
	● Blue	8WH6004-0AF01	8WH6004-0AG01
② PE through-type terminals			
2	● Green-yellow	8WH6000-0CF07	8WH6000-0CG07
3	● Green-yellow	8WH6003-0CF07	8WH6003-0CG07
4	● Green-yellow	8WH6004-0CF07	8WH6004-0CG07

Specific accessories

Covers					
	Terminals	Color	Width	Article No.	Article No.
	2	● Gray	2.2 mm	8WH9000-1GA00	8WH9003-1GA00
	3	● Gray	2.2 mm	8WH9000-2GA00	8WH9003-2SA00
	4	● Gray	2.2 mm	8WH9000-4GA00	8WH9003-4SA00
Compartment partitions					
	Terminals	Color	Width	Article No.	Article No.
	2	● Gray	2.0 mm	8WH9070-0AA00	8WH9070-0AA00
	3	● Gray	2.0 mm	8WH9070-0GA00	8WH9070-0GA00
	4	● Gray	2.0 mm	8WH9070-0HA00	8WH9070-0HA00
Cover segments					
		Color		Article No.	Article No.
		● Gray		8WH9000-0GA00	—
Warning covers					
				Article No.	Article No.
				8WH9060-5CA06	8WH9063-5CA06

See general accessories, from page 14/55 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²
8.2 mm	10.2 mm	12.2 mm	16 mm
41 A	57 A	90 A	125 A
1000 V	1000 V	1000 V	1000 V
20 ... 8	20 ... 6	20 ... 4	10 ... 2
0.5 ... 10 mm ²	0.5 ... 16 mm ²	0.5 ... 25 mm ²	6 ... 35 mm ²
0.5 ... 6 mm ²	0.5 ... 10 mm ²	0.5 ... 16 mm ²	6 ... 35 mm ²
IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 
 	 	 	 
8WH6000-0AH00	8WH6000-0AJ00	8WH6000-0AK00	8WH6000-0AM00
8WH6000-0AH01	8WH6000-0AJ01	8WH6000-0AK01	8WH6000-0AM01
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
8WH6000-0CH07	8WH6000-0CJ07	8WH6000-0CK07	8WH6000-0CM07
—	—	—	—
—	—	—	—
Article No.	Article No.	Article No.	Article No.
8WH9004-3SA00	8WH9005-1SA00	8WH9006-1SA00	—
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—	—	—	—
Article No.	Article No.	Article No.	Article No.
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Article No.	Article No.	Article No.	Article No.
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Article No.	Article No.	Article No.	Article No.
8WH9063-5CA06	8WH9065-5CA06	8WH9066-5CA06	8WH9067-5CA06

8WH6 iPo plug-in terminals

Through-type terminals for high-current applications



	Terminal size		
	50 mm ²	95 mm ²	150 mm ²
Terminal width	20 mm	25 mm	31 mm
Max. load current I_{max}	150 A	232 A	309 A
Operational voltage AC/DC	1000 V/1500 V	1000 V/1500 V	1000 V/1500 V
AWG	8 ... 2/0	4 ... 3/0	1/0 ... 300
Connection capacity, rigid	10 ... 70 mm ²	25 ... 95 mm ²	95 ... 150 mm ²
Connection capacity, flexible with end sleeve	10 ... 50 mm ²	25 ... 95 mm ²	95 ... 150 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1,

Terminals	Color			
① Through-type terminals				
2	Gray	8WH6000-0AN00	8WH6000-0AQ00	8WH6000-0AS00
	Blue	8WH6000-0AN01	8WH6000-0AQ01	8WH6000-0AS01
② PE through-type terminals				
2	Green-yellow	8WH6000-0CN07	8WH6000-0CQ07	–

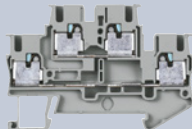
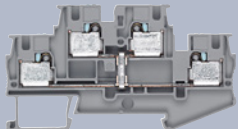
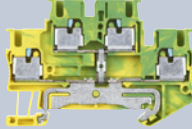
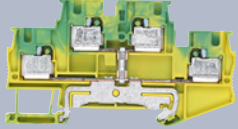
Specific accessories

Connecting combs				
	Number of poles	Article No.	Article No.	Article No.
	2-pole	8WH9020-3AB00	8WH9020-3AD00	8WH9020-3AF00
	3-pole	8WH9020-3AC00	8WH9020-3AE00	8WH9020-3AG00
Tap-off terminal				
	Number of poles	Article No.	Article No.	Article No.
	1-pole	8WH9120-0DA00	8WH9120-0DA00	8WH9120-0DA00
Test plugs				
	Surface	Article No.	Article No.	Article No.
	Metal	8WH9010-0NB00	8WH9010-0NB00	8WH9010-0NB00
Insulating sleeves for test plugs				
	Color	Article No.	Article No.	Article No.
	Red	8WH9010-0MB02	8WH9010-0MB02	8WH9010-0MB02
Warning covers				
		Article No.	Article No.	Article No.
		8WH9067-5CA06	8WH9068-5CA06	8WH9068-5CA06

See general accessories, from page 14/55 onwards

Two-tier terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	26 A	32 A
Max. operational voltage $U_{\max}$	500 V	500 V
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.2 ... 4 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 
 		
 		

Version	Color			
① Two-tier terminals				
Without equipotential bonding		Gray	8WH6020-0AF00	8WH6020-0AG00
		Blue	8WH6020-0AF01	8WH6020-0AG01
With equipotential bonding		Gray	8WH6025-0AF00	8WH6025-0AG00
② PE two-tier terminals ¹⁾				
		Green-yellow	8WH6020-0CF07	8WH6020-0CG07

¹⁾ Bridging the terminal is only possible in the top tier (in the center).

Specific accessories

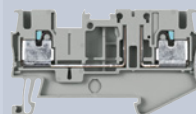
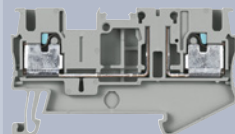
Covers					
	Terminals	Color	Width	Article No.	Article No.
	4	 Gray	2.2 mm	8WH9000-4SE00	–
				–	8WH9003-1VA00
Compartment partitions					
	Terminals	Color	Width	Article No.	Article No.
	4	 Gray	2 mm	8WH9070-0BA00	8WH9070-0BA00

See general accessories, from page 14/55 onwards

8WH6 iPo plug-in terminals

Isolating terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	20 A	20 A
Max. operational voltage $U_{\max}$	400 V	500 V
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.2 ... 4 mm ²
Standard	IEC 60947-7-1, 	IEC 60947-7-1, 
		

Terminals	Color		
2	 Gray	8WH6000-6CF00	8WH6000-6AG00
3	 Gray	8WH6003-6CF00	–
4	 Gray	8WH6004-6CF00	–

Specific accessories

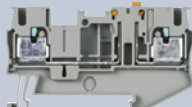
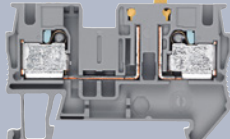
Covers						
	Terminals	Color	Width		Article No.	Article No.
	2	 Gray	2.2 mm		8WH9000-3SC00	8WH9003-1GA00
	3	 Gray	2.2 mm		8WH9000-3SD00	–
	4	 Gray	2.2 mm		8WH9000-5GA00	–
Compartment partitions						
	Terminals	Color	Width		Article No.	Article No.
	2	 Gray	2.2 mm		8WH9070-0AA00	8WH9070-0AA00
	3	 Gray	2.2 mm		8WH9070-0GA00	–
Plug-in zone connectors						
   	Types	Color	$I_{\max}$	Illuminated display	Article No.	Article No.
	Isolating plugs	 Orange	–	–	8WH9040-0DB04	8WH9040-0DB04
	Through-type connectors	 Gray	16 A	–	8WH9020-8AB00	8WH9020-8AB00
	Fused connectors ¹⁾	 Black	6.3 A	12 ... 30 V, 1 ... 2.5 mA	8WH9040-3AB08	8WH9040-3AB08
				Without	8WH9040-3DB08	8WH9040-3DB08
	Component connectors	 Gray	6 A	–	8WH9040-0BB00	8WH9040-0BB00

¹⁾ 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.

See general accessories, from page 14/55 onwards

Isolating blade terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	20 A	20 A
Max. operational voltage $U_{\max}$	400 V	400 V
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, two rigid conductors	–	0.5 ... 6 mm ²
Connection capacity, one flexible conductor	0.14 ... 2.5 mm ²	0.2 ... 4 mm ²
Standard	IEC 60947-7-1, 	IEC 60947-7-1, 
		

Terminals	Color		
2	 Gray	8WH6000-6AF00	8WH6000-6CG00
3	 Gray	8WH6003-6AF00	–
4	 Gray	8WH6004-6AF00	–

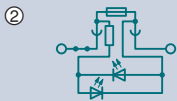
Specific accessories

Covers					
	Terminals	Color	Width	Article No.	Article No.
	2	 Gray	2.2 mm	8WH9000-3SC00	8WH9003-1GA00
	3	 Gray	2.2 mm	8WH9000-3SD00	–
	4	 Gray	2.2 mm	8WH9000-5GA00	–
Compartment partitions					
	Terminals	Color	Width	Article No.	Article No.
	2	 Gray	2 mm	8WH9070-0AA00	8WH9070-0AA00

See general accessories, from page 14/55 onwards

8WH6 iPo plug-in terminals

Fuse terminals



Terminal size

4 mm²

Terminal width 6.2 mm

Max. load current $I_{\max}$ 6.3 A

Max. operational voltage $U_{\max}$ 500 V

AWG 24 ... 10

Connection capacity, one rigid conductor 0.2 ... 6 mm²

Connection capacity, one flexible conductor with end sleeve 0.2 ... 4 mm²

Standard



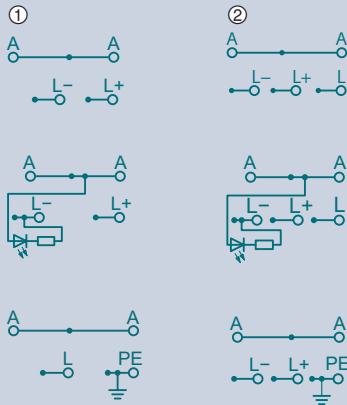
LED	Color	
Fuse terminals for 5 × 20 mm G fuse links		
① Without	● Black	8WH6000-1GG08
② 10 ... 30 V AC/DC	● Black	8WH6000-1KG38
② 110 ... 250 V AC/DC	● Black	8WH6000-1MG88

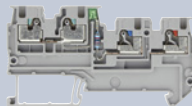
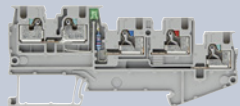
Specific accessories

Covers				
	Terminals	Color	Width	Article No.
	2	 Gray	2.2 mm	8WH9003-1GA00
5 × 25 mm G fuse links				
	Types	Breaking capacity	Rated uninterrupted current	Article No.
	Quick	Large	1 A	8WA1822-7EF16
			1.6 A	8WA1822-7EF18
			2.5 A	8WA1822-7EF21
			4 A	8WA1822-7EF23
			6.3 A	8WA1822-7EF25
	Slow	Small	1 A	8WA1822-7EF76
			1.6 A	8WA1822-7EF78
			2.5 A	8WA1822-7EF81
			4 A	8WA1822-7EF83
			6.3 A	8WA1822-7EF85
Isolating links, 5 × 20 mm				
	Size			Article No.
	5 × 20 mm			8WH9021-0CB12

See general accessories, from page 14/55 onwards

Initiator/actuator terminals



	Terminal size 1.5 mm ²	
Terminal width	3.5 mm	3.5 mm
Max. load current $I_{\max}$	13.5 A	13.5 A
Max. operational voltage $U_{\max}$	250 V	250 V
AWG	26 ... 14	26 ... 14
Connection capacity, flexible with end sleeve, with plastic sleeve	0.14 ... 1.0 mm ²	0.14 ... 1.0 mm ²
Connection capacity, flexible with end sleeve, without plastic sleeve	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²
Standard	IEC 60947-7-1	IEC 60947-7-1
		

Conductors ¹⁾	Number of connections	LED	Color		
① Initiator terminal					
3-wire, L+, L-, A	4	–	● Gray	8WH6003-0DE00	–
3-wire, L+, L-, A	4	Green, 24 V (15 ... 30 V DC)	● Gray	8WH6003-0FE00	–
3-wire, L, A, PE	4	–	● Gray	8WH6003-0HE00	–
② Actuator terminal					
4-wire, L+, L-, L, A	5	–	● Gray	–	8WH6004-0DE00
4-wire, L+, L-, L, A	5	Green, 24 V (15 ... 30 V DC)	● Gray	–	8WH6004-0FE00
4-wire, L+, L-, PE, A	5	–	● Gray	–	8WH6004-0HE00

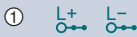
¹⁾ L+ = red, L- = blue, A (output) = petrol, L = petrol, PE (ground) = green/yellow

Specific accessories

Covers					
	Version	Width	Color	Article No.	Article No.
	For 3-wire	2.2 mm	● Gray	8WH9001-2VD00	–
	For 4-wire	2.2 mm	● Gray	–	8WH9001-4VE00

8WH6 iPo plug-in terminals

Infeed terminals for initiator/actuator terminals



Terminal size	
2.5 mm ²	
Terminal width	7 mm
Max. load current $I_{\max}$	20 A
Max. operational voltage $U_{\max}$	250 V
AWG	24 ... 12
Connection capacity, flexible with end sleeve, with plastic sleeve	0.2 ... 2.5 mm ²
Connection capacity, flexible with end sleeve, without plastic sleeve	0.2 ... 2.5 mm ²
Standard	IEC 60947-7-1

Conductors ¹⁾	Color	
① 3-wire, L+, L-	Orange	8WH6003-0DF04
② 4-wire, L+, L-, PE	Orange	8WH6004-0HE04

¹⁾ L+ = red, L- = blue, A (output) = petrol, L = petrol, PE (ground) = green/yellow

See general accessories, from page 14/55 onwards

Specific accessories for 8WH6 initiator/actuator terminals

Connecting combs



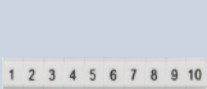
Number of poles	Load current	Color	Article No.
2-pole	17.5 A	Red	8WH9020-6JC02
		Blue	8WH9020-6JC01
		Gray	8WH9020-6JC00
3-pole	17.5 A	Red	8WH9020-6JD02
		Blue	8WH9020-6JD01
		Gray	8WH9020-6JD00
4-pole	17.5 A	Red	8WH9020-6JE02
		Blue	8WH9020-6JE01
		Gray	8WH9020-6JE00
5-pole	17.5 A	Red	8WH9020-6JF02
		Blue	8WH9020-6JF01
		Gray	8WH9020-6JF00
10-pole	17.5 A	Red	8WH9020-6JL02
		Blue	8WH9020-6JL01
		Gray	8WH9020-6JL00
20-pole	17.5 A	Red	8WH9020-6JS02
		Blue	8WH9020-6JS01
		Gray	8WH9020-6JS00

Labels, front, for terminal width 3.5 mm and terminal size 1.5 mm²



Types	Color	Article No.
Blank	White	8WH8110-0AA05
Custom inscription	Printed vertically	8WH8140-0XA05-Z Y01
	Printed horizontally	8WH8120-0XA05-Z Y01

Labels, flat, for terminal width 3.5 mm and terminal size 1.5 mm²



1 2 3 4 5 6 7 8 9 10

1
2
3
4
5
6
7
8
9
10

Types	Inscription	Color	Article No.
Blank		White	8WH8111-0AA05
Consecutive numbering	Printed vertically	1 ... 10 (10×)	8WH8141-0AB05
		11 ... 20 (10×)	8WH8141-0AB15
		21 ... 30 (10×)	8WH8141-0AB25
		31 ... 40 (10×)	8WH8141-0AB35
		41 ... 50 (10×)	8WH8141-0AB45
	Printed horizontally	1 ... 10 (10×)	8WH8121-0AB05
		11 ... 20 (10×)	8WH8121-0AB15
		21 ... 30 (10×)	8WH8121-0AB25
		31 ... 40 (10×)	8WH8121-0AB35
		41 ... 50 (10×)	8WH8121-0AB45
Custom inscription	Printed vertically	White	8WH8141-0XA05-Z Y01
	Printed horizontally	White	8WH8121-0XA05-Z Y01

Labels for 8WH initiator/actuator terminals for labeling system



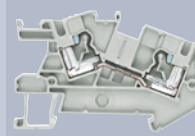
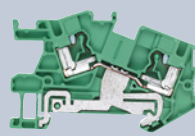
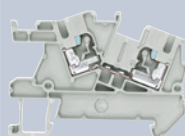
Types	Terminal width	Standard	Color	Article No.
Front, blank	3.5 mm	WIN 486	White	8WH8112-0AA05
Flat, blank	3.5 mm	WIN 416	White	8WH8113-0AA05

8WH6 iPo installation terminals

Through-type terminals



	Terminal size			
	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²
Terminal width	5.2 mm	5.2 mm	6.2 mm	6.2 mm
Terminal length	59.5 mm	59.5 mm	66 mm	66 mm
Terminal height	42.5 mm	43 mm	44 mm	46.3 mm
Max. load current $I_{\max}$	24 A	–	32 A	–
Max. operational voltage $U_{\max}$	800 V	–	800 V	–
Rated impulse voltage	–	–	–	–
AWG	26 ... 12	24 ... 12	24 ... 10	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 4 mm ²	0.2 ... 6 mm ²	0.2 ... 6 mm ²
Connection capacity, two rigid conductors	–	–	–	–
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
Connection capacity, flexible without end sleeve	0.14 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
Tightening torque	–	–	–	–
Standard	IEC 60947-7-1	IEC 60947-7-2	IEC 60947-7-1	IEC 60947-7-2



Terminals	Color	iPo plug-in technology		iPo plug-in technology	
① Through-type terminals					
2	 Gray	8WH6001-0AF00	—	8WH6001-0AG00	—
	 Blue	8WH6001-0AF01	—	8WH6001-0AG01	—
② PE through-type terminals					
2	 Green-yellow	—	8WH6001-0CF07	—	8WH6001-0CG07

Specific accessories

Covers



Color	Width	Article No.	Article No.
Gray	1.8 mm	–	–
	2.2 mm	8WH9000-1WA00	8WH9003-7WA00

N conductor support brackets



- For holding the N busbar

Color	Article No.	Article No.
Blue	8WH9143-0AF01	8WH9143-0AF01

Connecting combs



Number of poles	Article No.	Article No.
2-pole	–	–
3-pole	–	–
10-pole	–	–

Compartment partitions



Color	Article No.	Article No.
Gray	–	–

Connecting terminals



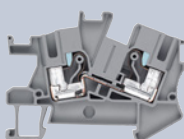
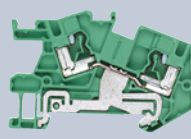
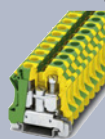
Color	Width	Article No.	Article No.
Blue	10.3 mm	8WH9126-0BA01	8WH9126-0BA01

N busbars, 10 × 3 mm



Version	Length	Article No.	Article No.
Copper, tinned	1000 mm	8WH9030-2AB12	8WH9030-2AB12

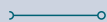
See general accessories, from page 14/55 onwards

6 mm ²		16 mm ²		35 mm ²	
8.2 mm	8.2 mm	12.2 mm	12.2 mm	15.2 mm	15 mm
66 mm	66 mm	51 mm	51 mm	55 mm	55 mm
50 mm	50 mm	50 mm	50 mm	51 mm	51 mm
41 A	–	76 A	–	125 A	125 A
800 V	–	400 V	–	800 V	–
–	–	6 kV	6 kV	8 kV	8 kV
20 ... 8	20 ... 8	22 ... 4	22 ... 4	18 ... 2	18 ... 2
0.5 ... 10 mm ²	0.5 ... 10 mm ²	6 ... 25 mm ²	6 ... 25 mm ²	0.75 ... 35 mm ²	0.75 ... 35 mm ²
–	–	2.5 ... 10 mm ²	2.5 ... 10 mm ²	0.75 ... 10 mm ²	0.75 ... 10 mm ²
0.5 ... 6 mm ²	0.5 ... 6 mm ²	6 ... 16 mm ²	6 ... 16 mm ²	0.75 ... 35 mm ²	0.75 ... 35 mm ²
0.5 ... 6 mm ²	0.5 ... 6 mm ²	6 ... 16 mm ²	6 ... 16 mm ²	0.75 ... 10 mm ²	0.75 ... 10 mm ²
–	–	2.5 ... 3.0 Nm	2.5 ... 3.0 Nm	3.2 ... 3.7 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1	IEC 60947-7-2	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	 , 	 , 
					
iPo plug-in technology		Screw terminals		Screw terminals	
8WH6001-0AH00	–	8WH1201-0AK00	–	8WH1201-0AM00	–
8WH6001-0AH01	–	8WH1201-0AK01	–	8WH1201-0AM01	–
–	8WH6001-0CH07	–	8WH1201-0CK07	–	8WH1201-0CM07

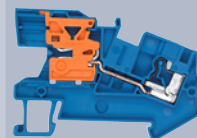
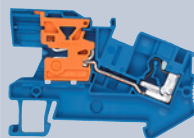
Article No.	Article No.	Article No.
–	8WH9005-3PA00	–
8WH9004-1WA00	–	–
Article No.	Article No.	Article No.
8WH9143-0AH01	–	–
Article No.	Article No.	Article No.
–	–	8WH9030-6BC00
–	–	8WH9030-6BD00
–	8WH9030-6AL00	–
Article No.	Article No.	Article No.
–	8WH9070-6HA00	–
Article No.	Article No.	Article No.
8WH9126-0BA01	8WH9126-0BA01	–
Article No.	Article No.	Article No.
8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

8WH6 iPo installation terminals

N conductor isolating terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Terminal length	59 mm	66 mm
Terminal height	46.3 mm	46.3 mm
Max. load current $I_{\max}$ / cross-section	24 A/2.5 mm ²	32 A/4 mm ²
Max. operational voltage $U_{\max}$	250 V	250 V
Rated impulse voltage	4 kV	6 kV
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, two rigid conductors	0.2 ... 1.5 mm ²	0.2 ... 2 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.25 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	max. 0.5 mm ²	max. 1 mm ²
Tightening torque	–	–
Standard	IEC 60947-7-1	IEC 60947-7-1



Terminals	Color	iPo plug-in technology	iPo plug-in technology
2	● Blue	8WH6001-0BF01	8WH6001-0BG01

Specific accessories

Covers



Color	Width	Article No.	Article No.
● Blue	2.2 mm	8WH9000-1SA00	8WH9003-1SA00
● Gray	2.2 mm	–	–

N conductor support brackets



- For holding the N busbar 10 × 3 mm
- To be placed every 20 cm

Color	Article No.	Article No.
● Blue	8WH9143-0AF01	8WH9143-0AF01
	–	–

Connecting terminals



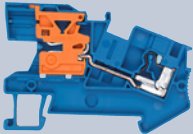
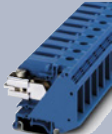
Color	Width	Article No.	Article No.
● Blue	10.3 mm	8WH9126-0BA01	8WH9126-0BA01

N busbars, 10 × 3 mm



Version	Length	Article No.	Article No.
Copper, tinned	1000 mm	8WH9030-2AB12	8WH9030-2AB12

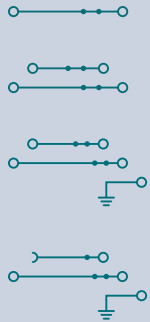
See general accessories, from page 14/55 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²
8.2 mm	10.2 mm	12.2 mm	15 mm
66.3 mm	55 mm	55 mm	55 mm
50 mm	47 mm	50 mm	50 mm
41 A/6 mm ²	57 A/16 mm ²	76 A/25 mm ²	110 A/35 mm ²
400 V	400 V	400 V	400 V
6 kV	6 kV	6 kV	6 kV
20 ... 8	–	–	–
0.5 ... 10 mm ²	0.5 ... 16 mm ²	6 ... 25 mm ²	0.75 ... 35 mm ²
0.5 ... 4 mm ²	0.5 ... 4 mm ²	2.5 ... 10 mm ²	0.75 ... 10 mm ²
0.5 ... 6 mm ²	0.5 ... 10 mm ²	6 ... 16 mm ²	0.75 ... 35 mm ²
0.5 ... 1.5 mm ²	0.5 ... 2.5 mm ²	4 ... 6 mm ²	0.75 ... 10 mm ²
–	1.5 ... 1.8 Nm	1.5 ... 1.8 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1	IEC 60947-7-1	IEC 60947-7-1	IEC 60947-7-1
			
iPo plug-in technology	Screw terminals	Screw terminals	Screw terminals
8WH6001-OBH01	8WH1201-OBJ01	8WH1201-OBK01	8WH1201-OBM01

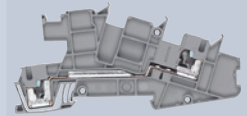
Article No.	Article No.	Article No.	Article No.
8WH9004-1SA00	–	–	–
–	8WH9005-3PB00	8WH9005-3PB00	–
Article No.	Article No.	Article No.	Article No.
8WH9143-0AH01	–	–	–
–	8WH9141-0BC01	8WH9141-0BC01	8WH9141-0BC01
Article No.	Article No.	Article No.	Article No.
8WH9126-0BA01	8WH9126-0BA01	8WH9126-0BA01	–
Article No.	Article No.	Article No.	Article No.
8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

8WH6 iPo installation terminals

Three-tier terminals



	Terminal size
	2.5 mm ²
Terminal width	5.2 mm
Terminal length	101 mm
Terminal height	50.5 mm
Max. load current $I_{\max}$ /cross-section	24 A/4 mm ²
Max. operational voltage $U_{\max}$ (L–L)	400 V
Rated voltage U_n (L–N, L–PE)	250 V
AWG	26 ... 12
Connection capacity, rigid	0.14 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm ²



Types	Color	
L	● Gray	8WH6001-4QF00
L/L	● Gray	8WH6001-4DF00
L/N	● Gray	8WH6001-4CF00
PE/L/L	● Gray	8WH6001-4HF00
PE/L/N	● Gray	8WH6001-4EF00
PE/L/NT	● Gray	8WH6001-4FF00

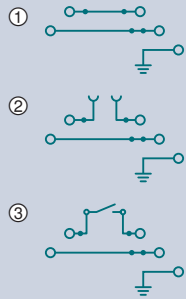
Specific accessories

Covers			
	Color	Width	Article No.
	● Gray	2.2 mm	8WH9000-3SA00
N conductor support brackets			
	- For holding the N busbar - To be placed every 20 cm		
	Color	Width	Article No.
	● Blue	2 mm	8WH9142-0AF01
Connecting terminals			
	Color	Width	Article No.
	● Blue	10.3 mm	8WH9126-0BA01
N busbars, 10 × 3 mm			
	Version	Length	Article No.
	Copper, tinned ¹⁾	1000 mm	8WH9030-2AB12

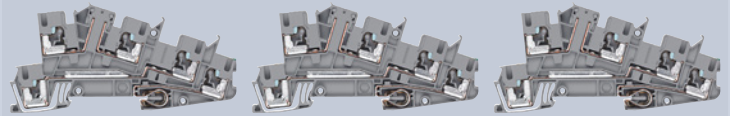
¹⁾ Only copper busbars may be installed.

See general accessories, from page 14/55 onwards

Three-tier isolating terminals



		Terminal size		
		2.5 mm ²		
	Terminal width	5.2 mm	5.2 mm	5.2 mm
	Terminal length	101 mm	101 mm	101 mm
	Terminal height	50.5 mm	50.5 mm	50.5 mm
	Max. load current $I_{\max}$ /cross-section	24 A/4 mm ²	24 A/4 mm ²	24 A/4 mm ²
	Max. operational voltage $U_{\max}$ (L-L)	400 V	400 V	400 V
	Rated voltage U_n (L-N, L-PE)	250 V	250 V	250 V
	AWG	26 ... 12	26 ... 12	26 ... 12
	Connection capacity, rigid	0.25 ... 4 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
	Connection capacity, flexible with end sleeve	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²



Types	Color			
① Through-type terminals with identical contour				
PE/L/L	 Gray	–	–	8WH6001-4PF00
② Isolating terminals				
PE/L/L isolation	 Gray	8WH6001-4MF00	–	–
③ Isolating blade terminals				
PE/L/L isolating blade	 Gray	–	8WH6001-4NF00	–
PE/L/N isolating blade	 Gray	–	8WH6001-4GF00	–

Specific accessories

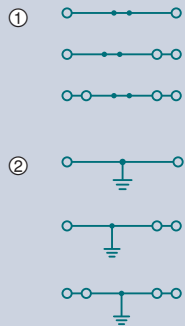
Covers for isolating terminal in the contour

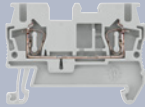
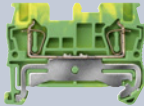
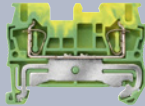
	Color	Width	Article No.	Article No.	Article No.
	● Gray	2.2 mm	–	8WH9000-6SA00	8WH9000-6SA00

See general accessories, from page 14/55 onwards

8WH2 spring-loaded terminals

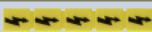
Through-type terminals

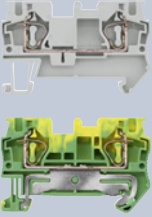
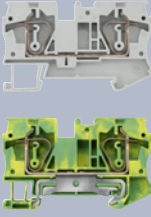


	Terminal size	1.5 mm ²	2.5 mm ²
Terminal width	4.2 mm	5.2 mm	
Max. load current $I_{\max}$	17.5 A	31 A	
Max. operational voltage $U_{\max}$	500 V	800 V	
AWG	28 ... 16	28 ... 12	
Connection capacity, rigid	0.08 ... 1.5 mm ²	0.08 ... 4 mm ²	
Connection capacity, flexible with end sleeve	0.14 ... 1.5 mm ²	0.14 ... 2.5 mm ²	
Standard	IEC 60947-7-1, IEC 60947-7-2, 		
	 		
	 		

Terminals	Color		
① Through-type terminals			
2	Gray	8WH2000-0AE00	8WH2000-0AF00
	Blue	8WH2000-0AE01	8WH2000-0AF01
	Orange	8WH2000-0AE04	8WH2000-0AF04
	Red	8WH2000-0AE02	8WH2000-0AF02
	Black	8WH2000-0AE08	8WH2000-0AF08
	Green	8WH2000-0AE03	8WH2000-0AF03
	White	8WH2000-0AE05	8WH2000-0AF05
	Yellow	8WH2000-0AE06	8WH2000-0AF06
3	Gray	8WH2003-0AE00	8WH2003-0AF00
	Blue	8WH2003-0AE01	8WH2003-0AF01
	Orange	8WH2003-0AF04	8WH2003-0AF04
4	Gray	8WH2004-0AE00	8WH2004-0AF00
	Blue	8WH2004-0AE01	8WH2004-0AF01
	Orange	8WH2004-0AF04	8WH2004-0AF04
② PE through-type terminals			
2	Green-yellow	8WH2000-0CE07	8WH2000-0CF07
3	Green-yellow	8WH2003-0CE07	8WH2003-0CF07
4	Green-yellow	8WH2004-0CE07	8WH2004-0CF07

Specific accessories

Covers					
	Color	Width	Terminals	Article No.	Article No.
	Gray	2.2 mm	2	8WH9000-1GA00	8WH9000-1GA00
			3	8WH9000-2GA00	8WH9000-2GA00
			4	8WH9000-4GA00	8WH9000-4GA00
Compartment partitions					
	Color		Terminals	Article No.	Article No.
	Gray		2	8WH9070-0AA00	8WH9070-0AA00
			3	8WH9070-0GA00	8WH9070-0GA00
			4	8WH9070-0HA00	8WH9070-0HA00
Cover segments					
	• For covering multi-wire terminals when mounting two-wire terminals side-by-side				
	Color			Article No.	Article No.
	Gray			8WH9000-0GA00	8WH9000-0GA00
Warning covers for the operating shafts of 8WH2 through-type terminals					
				Article No.	Article No.
				8WH9061-5AA06	8WH9060-5AA06

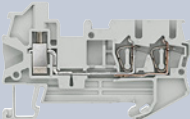
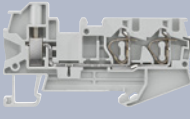
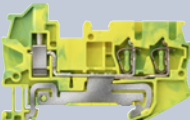
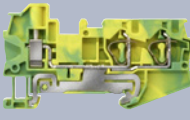
4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²
6.2 mm	8.2 mm	10.2 mm	12.2 mm	16 mm
40 A	52 A	65 A	90 A	125 A
800 V	1000 V	1000 V	1000 V	1000 V
28 ... 10	24 ... 8	24 ... 6	24 ... 4	14 ... 2
0.08 ... 6 mm ²	0.2 ... 10 mm ²	1.5 ... 16 mm ²	0.2 ... 25 mm ²	2.5 ... 35 mm ²
0.14 ... 4 mm ²	0.25 ... 6 mm ²	1.5 ... 10 mm ²	0.25 ... 16 mm ²	2.5 ... 35 mm ²
IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus
				
8WH2000-0AG00	8WH2000-0AH00	8WH2000-0AJ00	8WH2000-0AK00	8WH2000-0AM00
8WH2000-0AG01	8WH2000-0AH01	8WH2000-0AJ01	8WH2000-0AK01	8WH2000-0AM01
8WH2000-0AG04	–	–	–	–
8WH2000-0AG02	–	–	–	–
8WH2000-0AG08	–	–	–	–
8WH2000-0AG03	–	–	–	–
8WH2000-0AG05	–	–	–	–
8WH2000-0AG06	–	–	–	–
8WH2003-0AG00	8WH2003-0AH00	–	–	–
8WH2003-0AG01	8WH2003-0AH01	–	–	–
–	–	–	–	–
8WH2004-0AG00	–	–	–	–
8WH2004-0AG01	–	–	–	–
–	–	–	–	–
8WH2000-0CG07	8WH2000-0CH07	8WH2000-0CJ07	8WH2000-0CK07	8WH2000-0CM07
8WH2003-0CG07	8WH2003-0CH07	–	–	–
8WH2004-0CG07	–	–	–	–

Article No.	Article No.	Article No.	Article No.	Article No.
8WH9003-1GA00	8WH9004-1GA00	8WH9005-1GA00	8WH9006-1GA00	–
8WH9003-2GA00	8WH9004-2GA00	–	–	–
8WH9003-4GA00	–	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9070-0AA00	8WH9070-0DA00	–	–	–
8WH9070-0GA00	8WH9070-0DA00	–	–	–
8WH9070-0HA00	–	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9003-0GA00	–	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9063-5AA06	8WH9064-5AA06	–	–	8WH9067-5AA06

8WH2 spring-loaded terminals

Hybrid through-type terminals



	Terminal size	
	2.5 mm²	4 mm²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	28 A	32 A
Max. operational voltage $U_{\max}$	800 V	800 V
AWG spring	28 ... 12	28 ... 10/26 ... 10
Connection capacity, rigid, spring-loaded	0.08 ... 4 mm²	0.08 ... 6 mm²
Connection capacity, flexible, spring-loaded	0.08 ... 2.5 mm²	0.08 ... 4 mm²
AWG screw	26 ... 14	28 ... 10/26 ... 10
Connection capacity, rigid, screw-type	0.14 ... 4 mm²	0.14 ... 6 mm²
Connection capacity, flexible, screw-type	0.14 ... 2.5 mm²	0.14 ... 4 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2	IEC 60947-7-1, IEC 60947-7-2
		
		

Terminals	Color	Screw connection and spring-loaded connection	Screw connection and spring-loaded connection
① Hybrid through-type terminals			
3	Gray	8WH2103-2BF00	8WH2103-2BG00
	Blue	8WH2103-2BF01	8WH2103-2BG01
② PE hybrid through-type terminals			
3	Green-yellow	8WH2103-3BF07	8WH2103-3BG07

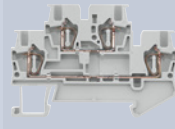
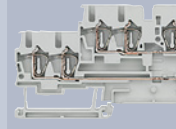
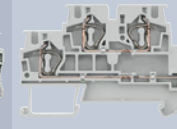
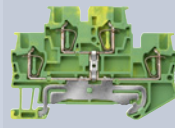
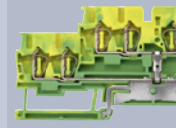
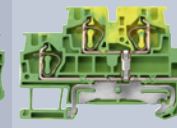
Specific accessories

Covers					
	Color	Width	Terminals	Article No.	Article No.
	Gray	2.2 mm	3	8WH9000-2HA00	8WH9003-2HA00

See general accessories, from page 14/55 onwards

Two-tier terminals



	Terminal size	1.5 mm ²	2.5 mm ²	4 mm ²
Terminal width		4.2 mm	5.2 mm	6.2 mm
Max. load current I_{max}		17.5 A	26 A	32 A
Max. operational voltage U_{max}		500 V	500 V	500 V
AWG		28 ... 16	28 ... 12	28 ... 10
Connection capacity, rigid		0.08 ... 1.5 mm ²	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve		0.08 ... 1.5 mm ²	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard		IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 
				
				

Version	Number of poles	Terminals	Color			
1 Two-tier terminals						
Without equipotential bonding	2-pole	4	 Gray	8WH2020-0AE00	8WH2020-0AF00	8WH2020-0AG00
			 Blue	8WH2020-0AE01	8WH2020-0AF01	8WH2020-0AG01
		6	 Gray	–	8WH2023-0AF00	–
			 Blue	–	8WH2023-0AF01	–
With equipotential bonding	1-pole	4	 Gray	8WH2025-0AE00	8WH2025-0AF00	8WH2025-0AG00
			 Blue	–	8WH2025-0AF01	–
		6	 Gray	–	8WH2022-0AF00	–
2 Two-tier terminals, N at top and L at bottom						
Without equipotential bonding	2-pole	4	 Gray	–	8WH2020-4CF00	–
3 PE two-tier terminals ¹⁾						
		4	 Green-yellow	8WH2020-0CE07	8WH2020-0CF07	8WH2020-0CG07
		6	 Green-yellow	–	8WH2023-0CF07	–

¹⁾ Only top tier can be fitted with connecting combs.

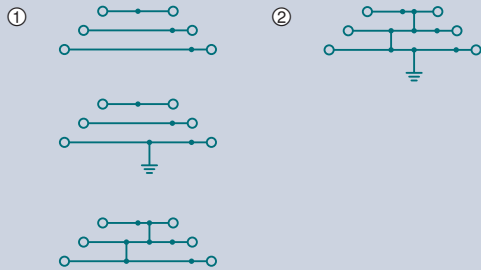
Specific accessories

Covers						
	Width	Terminals	Color	Article No.	Article No.	Article No.
	2.2 mm	4	 Gray	8WH9000-1VA00	8WH9000-1VA00	8WH9003-1VA00
		6	 Gray	–	8WH9000-2VA00	–
Compartment partitions						
			Color	Article No.	Article No.	Article No.
			 Gray	8WH9070-0BA00	8WH9070-0BA00	8WH9070-0BA00

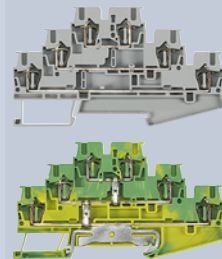
See general accessories, from page 14/55 onwards

8WH2 spring-loaded terminals

Three-tier terminals



Terminal size	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	28 A ¹⁾
Max. operational voltage $U_{\max}$	500 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2, 



Version	Types	Color	
① Three-tier terminals			
Without equipotential bonding	–	● Gray	8WH2030-0AF00
		● Blue	8WH2030-0AF01
	PE/L/N	● Gray	8WH2030-4EF00
	PE/L/L	● Gray	8WH2030-4HF00
With equipotential bonding		● Gray	8WH2035-0AF00
		● Blue	8WH2035-0AF01
② PE three-tier terminals			
		● Green-yellow	8WH2035-0CF07

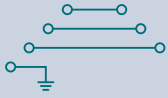
¹⁾ The total current through all connected conductors must not exceed the maximum load current.

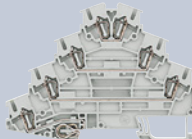
Specific accessories

Covers			
	Width	Color	Article No.
	2.2 mm	● Gray	8WH9000-1GD00
Label holder			
		Color	Article No.
		● Gray	8WH9060-4BA00

See general accessories, from page 14/55 onwards

Four-tier motor terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	26 A	32 A
Max. operational voltage $U_{\max}$	800 V	800 V
AWG	28 ... 12	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2,  
		

Types	Color		
L/L/L/PE	 Gray	8WH2040-4LF00	8WH2040-4LG00

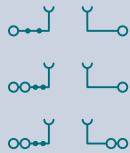
Specific accessories

Covers				
	Color	Width	Article No.	Article No.
	 Gray	2.2 mm	8WH9000-1GE00	—

See general accessories, from page 14/55 onwards

8WH2 spring-loaded terminals

Isolating terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	16 A	16 A
Max. operational voltage $U_{\max}$	400 V	400 V
AWG	28 ... 12	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1,	IEC 60947-7-1,

Terminals	Color		
2	Gray	8WH2000-6AF00	8WH2000-6AG00
3	Gray	8WH2003-6AF00	–
4	Gray	8WH2004-6AF00	–

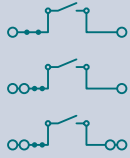
Specific accessories

Covers					
	Width	Color	Terminals	Article No.	Article No.
	2.2 mm	Gray	2	8WH9000-2GA00	–
			3	8WH9000-4GA00	–
			4	8WH9000-5GA00	–
Compartment partitions					
		Color	Terminals	Article No.	Article No.
		Gray	2	8WH9070-0AA00	8WH9070-0AA00
			3	8WH9070-0GA00	–
			4	8WH9070-0HA00	–
Cover segments					
	For covering multi-wire terminals when mounting two-wire terminals side-by-side				
		Color	Terminals	Article No.	Article No.
		Gray	3/4	8WH9000-0GA00	–
Plug-in zone connectors					
	Types	Color	$I_{\max}$	Illuminated display	Article No.
	Isolating plugs	Orange	20 A	–	8WH9040-0DB04
	Through-type connectors	Gray	16 A	–	8WH9020-8AB00
	Fused connectors ¹⁾	Black	6.3 A	12 ... 30 V, 1 ... 2.5 mA	8WH9040-3AB08
				Without	8WH9040-3DB08
	Component connectors	Gray	6 A	–	8WH9040-0BB00
					8WH9040-0BB00

¹⁾ 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.

See general accessories, from page 14/55 onwards

Isolating blade terminals



	Terminal size		
	2.5 mm ²	4 mm ²	6 mm ²
Terminal width	5.2 mm	5.2 mm	6.2 mm
Max. load current I_{max}	16 A	16 A ¹⁾	16 A
Max. operational voltage U_{max}	400 V	400 V	400 V
AWG	28 ... 12	26 ... 14	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.14 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1,	IEC 60947-7-1,	IEC 60947-7-1,

Terminals	Color			
2	● Gray	8WH2000-6CF00	–	8WH2000-6CG00
3	● Gray	–	8WH2003-6CF00	–
4	● Gray	–	8WH2004-6CF00	–

¹⁾ On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current.

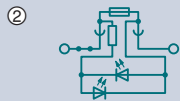
Specific accessories

Covers						
	Color	Width	Terminals	Article No.	Article No.	Article No.
	 Gray	2.2 mm	2	8WH9000-2GA00	8WH9000-2GA00	–
			3	8WH9000-4GA00	8WH9000-4GA00	–
			4	8WH9000-5GA00	8WH9000-5GA00	–
Compartment partitions						
	Color		Terminals	Article No.	Article No.	Article No.
	 Gray		2	8WH9070-0AA00	8WH9070-0AA00	8WH9070-0AA00
			3	8WH9070-0GA00	8WH9070-0GA00	–
			4	8WH9070-0HA00	8WH9070-0HA00	–
Cover segments						
	Color		Terminals	Article No.	Article No.	Article No.
	 Gray		3/4	8WH9000-0GA00	8WH9000-0GA00	–

See general accessories, from page 14/55 onwards

8WH2 spring-loaded terminals

Fuse terminals



Terminal size 4 mm ²			
Terminal width	6.2 mm	8.2 mm	8.2 mm
Max. load current $I_{\max}$	6.3 A	10 A	30 A
Max. operational voltage $U_{\max}$	250 V	400 V	400 V
Max. individual power loss as overload protection	1.6 W	–	–
Max. power loss as a group as overload protection	1.6 W	–	–
Max. individual power loss as short-circuit protection	4 W	–	–
Max. power loss as a group as short-circuit protection	2.5 W	–	–
AWG	28 ... 10	28 ... 10	28 ... 10
Connection capacity, rigid	0.08 ... 6 mm ²	0.08 ... 6 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 4 mm ²	0.08 ... 4 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-3,	IEC 60947-7-3,	IEC 60947-7-3,

Illuminated display		Color				
For 5 × 20 mm G fuse links						
①	Without	●	Black	8WH2000-1GG08	–	–
②	15 ... 30 V	●	Black	8WH2000-1JG38	–	–
②	30 ... 60 V	●	Black	8WH2000-1JG68	–	–
②	110 ... 250 V	●	Black	8WH2000-1MG08	–	–
For 6.3 × 32 mm G fuse links						
①	Without	●	Black	–	8WH2000-1HG08	–
②	100 ... 250 V	●	Black	–	8WH2000-1RG08	–
For blade-type fuses according to ISO/DIS 8820 and DIN 72581-3 ¹⁾						
①	Without	●	Black	–	–	8WH2000-1AG08
②	12 V	●	Black	–	–	8WH2000-1BG28
②	24 V	●	Black	–	–	8WH2000-1BG38

¹⁾ Blade-type fuses must be ordered separately.

Specific accessories

Compartment partitions					
	Color	Terminals	Article No.	Article No.	Article No.
	● Gray	2	8WH9070-0AA00	8WH9070-0AA00	8WH9070-0AA00

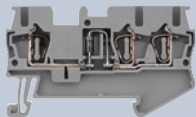
See general accessories, from page 14/55 onwards

8WH2 spring-loaded terminals

Diode terminals



	Terminal size
	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	Determined by the diode
Uninterrupted limiting current	0.5 A
Max. operational voltage $U_{\max}$	500 V
Blocking voltage	1300 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Diode	1N 4007, integrated
Standard	



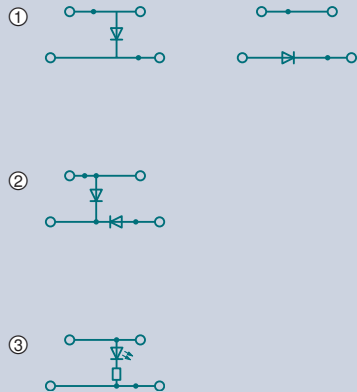
Terminals	Color	Let-through	
3	Gray	① From left to right	8WH2003-5DF00
	Gray	② From right to left	8WH2003-5CF00

Specific accessories

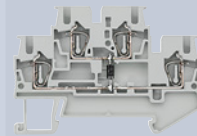
Covers				
	Color	Width	Terminals	Article No.
	Gray	2.2 mm	3	8WH9000-4GA00
Compartment partitions				
	Color		Terminals	Article No.
	Gray		3	8WH9070-0GA00
Cover segments				
	• For covering multi-wire terminals when mounting two-wire terminals side-by-side			
	Color		Terminals	Article No.
	Gray		3	8WH9000-0GA00

See general accessories, from page 14/55 onwards

Two-tier diode terminals



Terminal size	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	26 A
Uninterrupted limiting current	0.5 A
Max. operational voltage $U_{\max}$	500 V
Blocking voltage	1300 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Diode	1N 4007, integrated
Standard	UL 144



Types	Color	
① With one diode		
Let-through from top to bottom	● Gray	8WH2020-5AF00
Let-through from bottom left to bottom right	● Gray	8WH2020-5DF00
② With two diodes		
Let-through from top to bottom left and from bottom right to bottom left	● Gray	8WH2020-5KF00
③ With illuminated display		
15 ... 30 V DC/2.5 ... 7.5 A	● Gray	8WH2020-5JF30

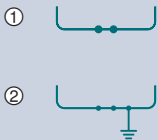
Specific accessories

Covers			
	Width	Color	Article No.
	2.2 mm	● Gray	8WH9000-1VA00
Compartment partitions			
		Color	Article No.
		● Gray	8WH9070-0BA00

See general accessories, from page 14/55 onwards

8WH5 combination plug-in terminals

Through-type terminals



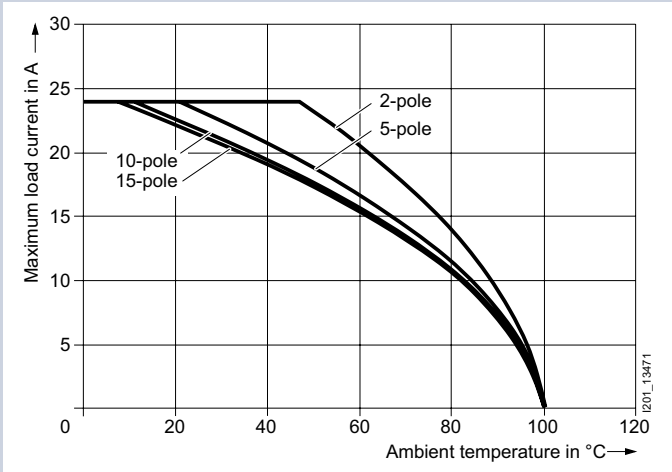
Terminal size	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	24 A
Max. operational voltage $U_{\max}$	500 V
Standard	IEC 61984,

Terminals	Color	Combination plug-in connection
① Through-type terminals		
2	● Gray	8WH5000-0AF00
	● Blue	8WH5000-0AF01
② PE through-type terminals		
2	● Green-yellow	8WH5000-0CF07

Specific accessories

Covers				
	Terminals	Color	Width	Article No.
	2	● Gray	2.2 mm	8WH9000-1VA00
Compartment partitions				
	Terminals	Color		Article No.
	2	● Gray		8WH9070-0BA00

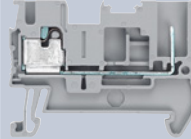
14 See general accessories, from page 14/55 onwards



Derating curve for 8WH5000-0AF00

Hybrid through-type terminals



	Terminal size
	2.5 mm ²
	Terminal width
	5.2 mm
Max. load current $I_{\max}$/cross-section	24 A/2.5 mm ²
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 12
Connection capacity, rigid	0.14 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm ²
Standard	NEC
 	

Terminals	Color	iPo plug-in connection and combination plug-in connection
① Hybrid through-type terminals		
2	Gray	8WH5100-2PF00
② PE hybrid through-type terminals		
2	Green-yellow	8WH5100-3PF07

Specific accessories

Covers				
	Terminals	Color	Width	Article No.
	2	Gray	2.2 mm	8WH9000-1GA00
Compartment partitions				
	Terminals	Color		Article No.
	4	Gray		8WH9070-0HA00

See general accessories, from page 14/55 onwards

8WH5 combination plug-in terminals

8WH9 plugs

	Terminal size	
	2.5 mm ²	
Terminal width	5.2 mm	5.2 mm
Max. load current $I_{\max}$	24 A	24 A
Max. operational voltage $U_{\max}$	500 V	500 V
AWG	28 ... 12	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 2.5 mm ²
Number of poles	1P	1P
Standard		
		

Version	Color	With slot for comb	Without slot for comb
Plug			
Left element	 Gray	8WH9040-1DB00	8WH9040-1AB00
	 Blue	8WH9040-1DB01	8WH9040-1AB01
Central element	 Gray	8WH9040-1EB00	8WH9040-1BB00
	 Blue	8WH9040-1EB01	8WH9040-1BB01
Right element	 Gray	8WH9040-1FB00	8WH9040-1CB00
	 Blue	8WH9040-1FB01	8WH9040-1CB01
PE plugs			
Left element	 Green-yellow	8WH9040-1DB07	8WH9040-1AB07
Central element	 Green-yellow	8WH9040-1EB07	–
Right element	 Green-yellow	8WH9040-1FB07	8WH9040-1CB07

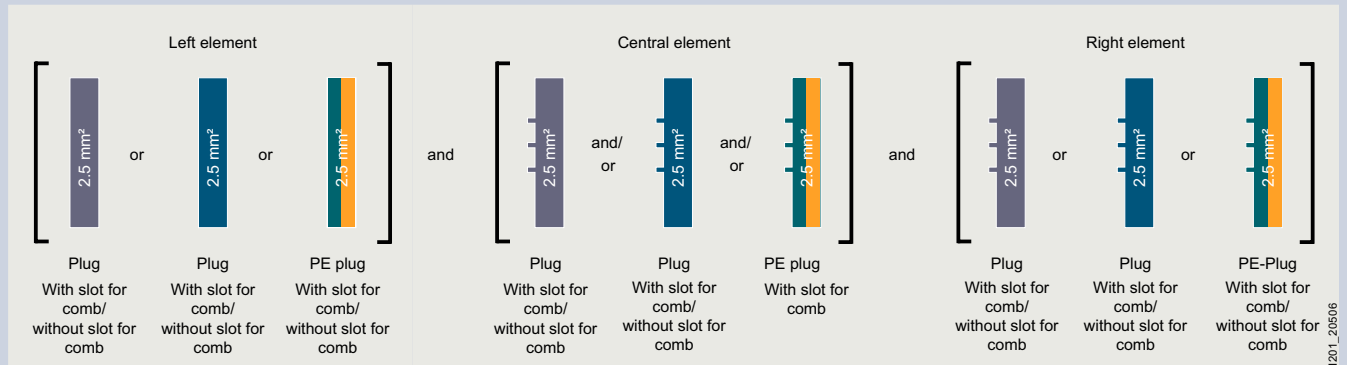
14

Specific accessories

Latches				
	Version	Color	Article No.	Article No.
	With strain relief	 Orange	8WH9050-2BA04	8WH9050-2BA04
	Without strain relief	 Orange	8WH9050-2AA04	8WH9050-2AA04
Shielding				
	• For connection of shielded cables			
	Cable diameter	Color	Article No.	Article No.
	5 ... 10 mm	 Black	8WH9120-0DB08	8WH9120-0DB08

See general accessories, from page 14/55 onwards

Configuration of combination plug

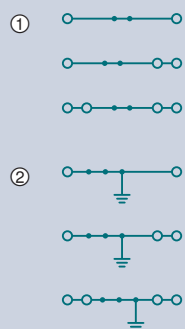


Note:

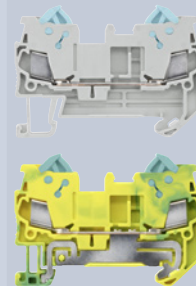
The configuration concept shown is just one example of how combination plugs can be configured.

8WH3 insulation displacement terminals

Through-type terminals



Terminal size	
1.5 mm ²	
Terminal width	5.2 mm
Max. load current $I_{\max}$	17.5 A ¹⁾
Max. operational voltage $U_{\max}$	800 V
AWG	24 ... 16
Connection capacity, rigid	0.25 ... 1.5 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²



Terminals	Color	
① Through-type terminals		
2	Gray	8WH3000-0AE00
	Blue	8WH3000-0AE01
3	Gray	8WH3003-0AE00
	Blue	8WH3003-0AE01
4	Gray	8WH3004-0AE00
	Blue	8WH3004-0AE01
② PE through-type terminals		
2	Green-yellow	8WH3000-0CE07
3	Green-yellow	8WH3003-0CE07
4	Green-yellow	8WH3004-0CE07

¹⁾ On terminals with three and four clamping points, the total current through all connected conductors must not exceed the maximum load current.

Specific accessories

Covers



Terminals	Color	Width	Article No.
2	Gray	2.2 mm	8WH9001-1AA00
3	Gray	2.2 mm	8WH9001-2AA00
4	Gray	2.2 mm	8WH9001-4AA00

Compartment partitions



Terminals	Color	Width	Article No.
4	Gray	2 mm	8WH9070-0MA00

Cover segments



- For covering multi-wire terminals when mounting two-wire terminals side-by-side

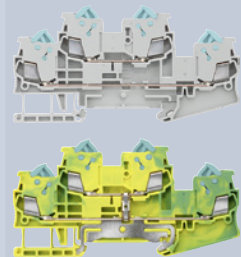
Terminals	Color	Article No.
3	Gray	—

See general accessories, from page 14/55 onwards

Two-tier terminals



Terminal size	1.5 mm²
Terminal width	5.2 mm
Max. load current $I_{\max}$	17.5 A
Max. operational voltage $U_{\max}$	500 V
AWG	24 ... 16
Connection capacity, rigid	0.25 ... 1.5 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²
Standard	



Version	Color	
① Two-tier terminals		
Without equipotential bonding	 Gray	8WH3020-0AE00
	 Blue	8WH3020-0AE01
② PE two-tier terminals		
	 Green-yellow	8WH3020-0CE07

Specific accessories

Covers			
	Width	Color	Article No.
	2.2 mm	 Gray	8WH9001-1BA00
Compartment partitions			
		Color	Article No.
		 Gray	8WH9070-0MA00

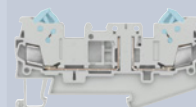
See general accessories, from page 14/55 onwards

8WH3 insulation displacement terminals

Isolating terminals



Terminal size	1.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	16 A
Max. operational voltage $U_{\max}$	400 V
AWG	24 ... 16
Connection capacity, rigid	0.25 ... 1.5 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²
Standard	UL 486C



Terminals	Color	
2	● Gray	8WH3000-6AE00

Specific accessories

Covers					
	Width	Color	Article No.		
	2.2 mm	 Gray	8WH9001-2AA00		
Plug-in zone connectors					
   	Types	Color	$I_{\max}$	Illuminated display	Article No.
	Isolating plugs	 Orange	–	–	8WH9040-0DB04
	Through-type connectors	 Gray	16 A	–	8WH9020-8AB00
	Fused connectors ¹⁾	 Black	6.3 A	12 ... 30 V, 1 ... 2.5 mA	8WH9040-3AB08
				Without	8WH9040-3DB08
Component connectors	 Gray	6 A	–	8WH9040-0BB00	

¹⁾ 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.

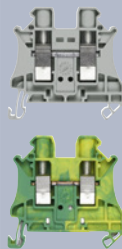
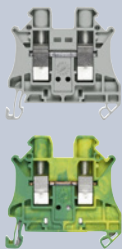
See general accessories, from page 14/55 onwards

8WH screw terminals

8WH1 through-type terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Max. load current $I_{\max}$	32 A	41 A
Max. operational voltage $U_{\max}$	1000 V	1000 V
AWG	26 ... 12	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.14 ... 6 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²
Tightening torque	0.5 ... 0.6 Nm	0.6 ... 0.8 Nm
Standard	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 

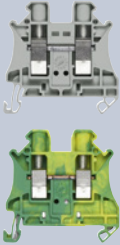
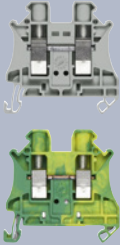
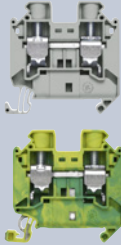


Terminals	Color		
① Through-type terminals			
2	Gray Blue Orange Red Black Green Yellow	8WH1000-0AF00 8WH1000-0AF01 8WH1000-0AF04 8WH1000-0AF02 8WH1000-0AF08 8WH1000-0AF03 8WH1000-0AF06	8WH1000-0AG00 8WH1000-0AG01 8WH1000-0AG04 8WH1000-0AG02 8WH1000-0AG08 – –
② PE through-type terminals			
2	Green-yellow	8WH1000-0CF07	8WH1000-0CG07

Specific accessories

Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	Gray	8WH9000-1PA00	8WH9000-1PA00
Compartment partitions				
	Width	Color	Article No.	Article No.
	2 mm	Gray	8WH9070-6BA00	8WH9070-6BA00
Reducing combs				
	Version	Color	Article No.	Article No.
	From screw to screw	Turquoise	–	–
	From screw to spring	Turquoise	–	–
Warning covers for 8WH1				
	Image	Color	Article No.	Article No.
	Lightning symbol	Yellow	8WH9060-5BA06	8WH9063-5BA06

See general accessories, from page 14/55 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²	
8.2 mm	10.2 mm	12.2 mm	16 mm	16 mm
57 A	76 A	101 A	150 A	–
1000 V	1000 V	1000 V	1000 V	–
24 ... 8	20 ... 6	16 ... 4	16 ... 1/0	16 ... 2
0.2 ... 10 mm ²	0.5 ... 16 mm ²	1.5 ... 25 mm ²	1.5 ... 50 mm ²	1.5 ... 35 mm ²
0.2 ... 2.5 mm ²	0.5 ... 4 mm ²	1 ... 6 mm ²	1.5 ... 16 mm ²	1.5 ... 16 mm ²
0.25 ... 6 mm ²	0.5 ... 10 mm ²	1 ... 16 mm ²	1.5 ... 35 mm ²	1.5 ... 35 mm ²
0.2 ... 2.5 mm ²	0.5 ... 4 mm ²	1 ... 6 mm ²	1.5 ... 10 mm ²	1.5 ... 10 mm ²
1.5 ... 1.8 Nm	1.6 ... 1.8 Nm	2.5 ... 3.0 Nm	3.2 ... 3.7 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE
				

8WH1000-0AH00	8WH1000-0AJ00	8WH1000-0AK00	8WH1000-0AM00	–
8WH1000-0AH01	8WH1000-0AJ01	8WH1000-0AK01	8WH1000-0AM01	–
–	–	–	–	–
8WH1000-0AH02	–	–	–	–
8WH1000-0AH08	–	–	–	–
–	–	–	–	–
–	–	–	–	–
8WH1000-0CH07	8WH1000-0CJ07	8WH1000-0CK07	–	8WH1000-0CM07

Article No.	Article No.	Article No.	Article No.	Article No.
8WH9000-1PA00	8WH9000-1PA00	8WH9076-1PA00	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9070-6BA00	8WH9070-6BA00	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9002-8AC10	–	8WH9002-8EC10	8WH9002-8GC10	8WH9002-8GC10
–	–	8WH9002-8FC10	8WH9002-8HC10	8WH9002-8HC10
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9064-5BA06	8WH9065-5BA06	8WH9066-5BA06	8WH9067-5BA06	8WH9067-5BA06

8WH screw terminals

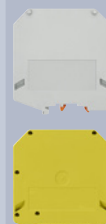
8WH1 through-type terminals for high-current applications

①



②



	Terminal size				
	50 mm ²	70 mm ²	95 mm ²	150 mm ²	240 mm ²
Terminal width	20 mm	20 mm	25 mm	31 mm	36 mm
Max. load current $I_{\max}$	150 A	192 A	232 A	309 A	415 A
Max. operational voltage $U_{\max}$	1000 V	1000 V	1000 V	1000 V	1000 V
AWG	6 ... 0	4 ... 000	4 ... 000	2 ... 300	00 ... 500
Connection capacity, rigid	16 ... 70 mm ²	16 ... 95 mm ²	25 ... 95 mm ²	35 ... 150 mm ²	70 ... 240 mm ²
Connection capacity, flexible with end sleeve	25 ... 50 mm ²	16 ... 70 mm ²	35 ... 95 mm ²	50 ... 150 mm ²	70 ... 185 mm ²
Tightening torque	6 ... 8 Nm	8 ... 10 Nm	15 ... 20 Nm	25 ... 30 Nm	25 ... 30 Nm
Standard	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, 	IEC 60947-7-1, 
					

Terminals	Color					
① Through-type terminals						
2	Gray	8WH1000-0AN00	8WH1000-0AP00	8WH1000-0AQ00	8WH1000-0AS00	8WH1000-0AU00
	Blue	8WH1000-0AN01	8WH1000-0AP01	8WH1000-0AQ01	8WH1000-0AS01	8WH1000-0AU01
② PE through-type terminals						
2	Green-yellow	8WH1000-0CN07	8WH1000-0CP07	8WH1000-0CQ07	–	–

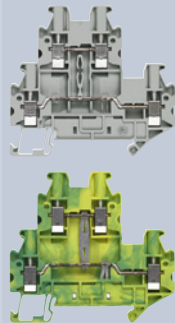
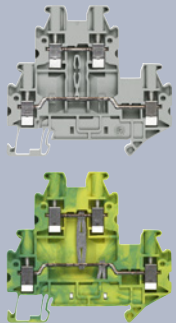
Specific accessories

Tap-off terminal							
	When wiring a tap-off with a smaller cross-section, observe the overload and short-circuit strength specified in VDE 0100 Part 430						
	$I_{\max}$	Cross-section	Article No.	Article No.	Article No.	Article No.	
	57 A	10 mm ²	8WH9120-0AA00	–	8WH9120-0BA00	8WH9120-0CA00	
Insertion profiles							
	Evens out the prismatic sleeve base when using flat conductors						
			Article No.	Article No.	Article No.	Article No.	
			8WH9020-3MA00	–	8WH9020-3NA00	8WH9020-3PA00	
Combs							
	Fully insulated, fitted in the clamping sleeve and latched with the terminal enclosure						
	$I_{\max}$	Number of poles	Article No.	Article No.	Article No.	Article No.	
	232 A	2-pole	–	–	8WH9020-3AA00	8WH9020-3CA00	–
		3-pole	–	–	8WH9020-3BA00	8WH9020-3DA00	–
	320 A	2-pole	–	–	–	–	8WH9020-3EA00
		3-pole	–	–	–	–	8WH9020-3FA00
Permanent links							
	- For cross links - Screw heads with insulating collar - Remove partition first						
	$I_{\max}$	Number of poles	Article No.	Article No.	Article No.	Article No.	
	150 A	2-pole	8WH9020-6HC00	8WH9020-3AH00	–	–	–
		3-pole	8WH9020-6HD00	8WH9020-3AJ00	–	–	–

See general accessories, from page 14/55 onwards

8WH1 two-tier terminals



	Terminal size	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm	
Max. load current $I_{\max}$	28 A	36 A	
Max. operational voltage $U_{\max}$	500 V	800 V	
AWG	26 ... 12	26 ... 10	
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.14 ... 6 mm ²	
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²	
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.14 ... 4 mm ²	
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²	
Tightening torque	0.5 ... 0.6 Nm	0.6 ... 0.8 Nm	
Standard	 		

Version	Color		
① Two-tier terminals			
Without equipotential bonding	● Gray	8WH1020-0AF00	8WH1020-0AG00
	● Blue	8WH1020-0AF01	8WH1020-0AG01
With equipotential bonding	● Gray	8WH1025-0AF00	8WH1025-0AG00
② PE two-tier terminals			
	● Green-yellow	8WH1020-0CF07	8WH1020-0CG07

Specific accessories

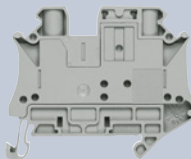
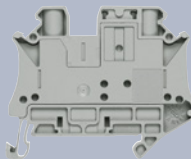
Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	● Gray	8WH9000-1QA00	8WH9000-1QA00
Compartment partitions				
	Width	Color	Article No.	Article No.
	2 mm	● Gray	8WH9070-6FA00	8WH9070-6FA00
Spacer plates				
	• Compensates for tier offset if other terminals are mounted side by side			
	Width	Color	Article No.	Article No.
	2.5 mm	● Gray	8WH9160-0AA00	8WH9160-0AA00

See general accessories, from page 14/55 onwards

8WH screw terminals

8WH1 isolating terminals



	Terminal size	
	4 mm ²	6 mm ²
Terminal width	6.2 mm	8.2 mm
Max. load current $I_{\max}$	20 A	20 A
Max. operational voltage $U_{\max}$	400 V	500 V
AWG	26 ... 10	24 ... 8
Connection capacity, one rigid conductor	0.14 ... 6 mm ²	0.2 ... 10 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²	0.2 ... 2.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm ²	0.2 ... 10 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²	0.2 ... 2.5 mm ²
Tightening torque	0.6 ... 0.8 Nm	1.5 ... 1.8 Nm
Standard	 	
		

Terminals	Color		
2	 Gray	8WH1000-6AG00	8WH1000-6AH00

8WH1 isolating blade terminals



Terminal size	
4 mm ²	
Terminal width	6.2 mm
Max. load current $I_{\max}$	20 A
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 12
Connection capacity, one rigid conductor	0.14 ... 4 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Standard	BS EN 60947-1, IEC 61411-1

Terminals	Color	
2	Gray	8WH1000-6CG00

Specific accessories

Warning covers for 8WH1			
Image		Color	Article No.
		Yellow	8WH9063-5BA06

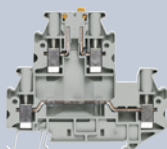
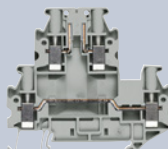
See general accessories, from page 14/55 onwards

8WH screw terminals

8WH1 two-tier terminals with isolating function



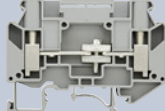
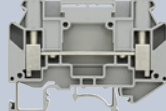
Terminal size	
4 mm ²	
Terminal width	6.2 mm
Max. load current $I_{\max}$	38 A
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Standard	Siemens, CE



Version	Color		
① Isolating terminal			
Isolating terminal in the upper tier	● Gray	8WH1020-6AG00	–
② Isolating blade			
Isolating blade in the upper tier	● Gray	–	8WH1020-6AC00

8WH1 measuring transformer isolating terminals



	Terminal size	
	6 mm ²	
Terminal width	8.2 mm	8.2 mm
Rated uninterrupted current I_u	41 A	41 A
Rated insulation voltage U_i	500 V	800 V
AWG	24	8
Connection capacity, rigid	0.5 ... 10 mm ²	0.5 ... 10 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 6 mm ²	0.5 ... 6 mm ²
Disconnect slide tightening torque	0.6 ... 0.8 Nm	–
Tightening torque	1.5 ... 1.6 Nm	1.5 ... 1.6 Nm
Standard		
		

Terminals	Color		
① Isolating terminals			
2 recesses for screwing in the test sockets	 Gray	8WH1000-7AH00	—
② Through-type terminals with identical contour			
2 recesses for screwing in the test sockets	 Gray	—	8WH1000-7BH00

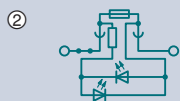
Specific accessories

Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	● Gray	8WH9000-3UA00	8WH9000-3UA00
Disconnecting links				
	- For bridging two adjacent terminals - Cannot be used with the bare 8WH9010-0MB12 test socket			
	Tightening torque	Number of poles	Color	Article No.
	0.6 ... 0.8 Nm	2-pole	● Gray	8WH9021-0AC00
Connecting combs, separable				
	- Consisting of connection wire, spacer sleeves and screws - For bridging terminals, the connection wire is adjustable - Cannot be used with the bare 8WH9010-0MB12 test socket			
	Tightening torque	Number of poles	Color	Article No.
	0.6 ... 0.8 Nm	10-pole	● Gray	8WH9021-0AL00
Short-circuiting plugs, fully insulated				
	- For short-circuiting adjacent terminals - For simple transformer measurements - Required when the bare 8WH9010-0MB12 test adapter is used in the measuring transformer terminal			
	I_{max}	Number of poles	Color	Article No.
	20 A	2-pole	● Black	8WH9010-0BC08
Test sockets, insulated				
	- For screwing into the measuring transformer terminals - The 8WH9021-0AC00 disconnecting link shall be used for short-circuiting adjacent terminals			
	Tightening torque	Color	Article No.	Article No.
	0.6 ... 0.8 Nm	● Green	8WH9010-0MB03	8WH9010-0MB03
		● Violet	8WH9010-0MB11	8WH9010-0MB11
		● Yellow	8WH9010-0MB06	8WH9010-0MB06
Test sockets, bare				
	- For screwing into the measuring transformer terminals - For simple transformer measurements - For tapping with test plug - The 8WH9010-0BC08 short-circuiting plug shall be used for short-circuiting adjacent terminals			
	Tightening torque	Article No.	Article No.	
	0.6 ... 0.8 Nm	8WH9010-0MB12	8WH9010-0MB12	

See general accessories, from page 14/55 onwards

8WH screw terminals

8WH1 fuse terminals



Terminal size	
4 mm ²	6 mm ²
Terminal width	6.2 mm
Max. load current $I_{\max}$	6.3 A
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Standard	IEC 60947-7-3,
 	

LED	Color			
For 5 × 20 mm G fuse links				
① Without	●	Black	8WH1000-1GG08	–
② AC/DC with LED 10 ... 30 V	●	Black	8WH1000-1KG38	–
② AC/DC with LED 110 ... 250 V	●	Black	8WH1000-1MG88	–
For 6.3 × 32 mm G fuse links (inch fuses)				
① Without	●	Black	–	8WH1000-1HH08
② AC/DC with LED 12 ... 30 V	●	Black	–	8WH1000-1PH38

Specific accessories

Plug-in zone connectors						
	Version	Color	$I_{\max}$	Illuminated display	Article No.	Article No.
	Fused connectors ¹⁾	 Black	6.3 A	12 ... 30 V, 1 ... 2.5 mA	8WH9040-3AB08	8WH9040-3AB08
				Without	8WH9040-3DB08	8WH9040-3DB08
Reducing combs						
	For connecting terminals from terminal size 6 mm² to 2.5 mm² or 4 mm²					
	Version	Color			Article No.	Article No.
	From screw to screw	 Turquoise			–	8WH9002-8AC10

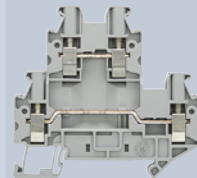
¹⁾ The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links. Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested. Higher ambient temperatures represent an additional load for the fuse links. A shift in rated current should therefore be taken into account in such applications.

See general accessories, from page 14/55 onwards

8WH1 two-tier terminals for soldering of components ¹⁾



	Terminal size
	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	28 A
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.5 ... 0.6 Nm
Standard	UL 504, CE



Terminals	Color	
4	● Gray	8WH1020-5LF00

¹⁾ Supplied without components; the appropriate components (resistors, diodes, capacitors, ...) are to be soldered in by user

Specific accessories

Covers			
	Width	Color	Article No.
	2.2 mm	● Gray	8WH9000-1QA00
Compartment partitions			
	Width	Color	Article No.
	2 mm	● Gray	8WH9070-6FA00
Spacer plates			
	• Compensates for tier offset if other terminals are mounted side by side		
	Width	Color	Article No.
	2.5 mm	● Gray	8WH9160-0AA00

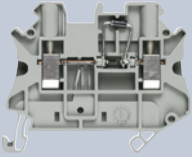
See general accessories, from page 14/55 onwards

8WH screw terminals

8WH1 diode terminals

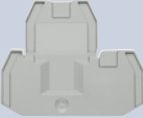


	Terminal size
	4 mm ²
Terminal width	6.2 mm
Uninterrupted limiting current	0.5 A
Max. operational voltage $U_{\max}$	800 V
Blocking voltage	1300 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Diode	1N 4007, integrated
Standard	



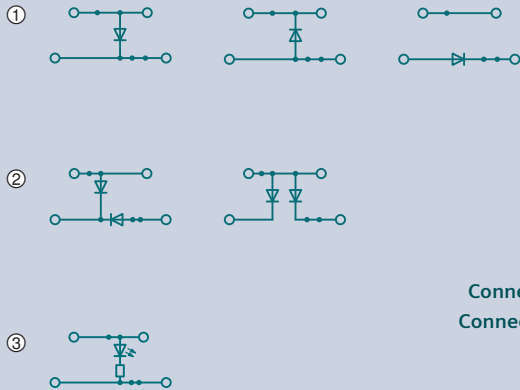
Let-through	Color	
① From left to right	 Gray	8WH1000-6LG00
② From right to left	 Gray	8WH1000-6KG00

Specific accessories

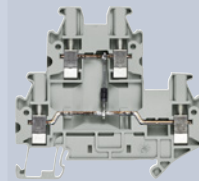
Covers			
	Width	Color	Article No.
	2.2 mm	 Gray	8WH9000-2PA00
Warning covers			
	Image	Color	Article No.
	Lightning symbol	 Yellow	8WH9063-5CA06

See general accessories, from page 14/55 onwards

8WH1 two-tier diode terminals



Terminal size	2.5 mm ²
Terminal width	5.2 mm
Max. load current $I_{\max}$	28 A
Uninterrupted limiting current	0.5 A
Max. operational voltage $U_{\max}$	500 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.5 ... 0.6 Nm
Diode	1N 4007, integrated
Standard	



Types	LED	Color	
① With one diode			
Let-through from top to bottom		● Gray	8WH1020-5AF00
Let-through from bottom to top		● Gray	8WH1020-5BF00
Let-through from bottom left to bottom right		● Gray	8WH1020-5DF00
② With two diodes			
Let-through from top to bottom left and from bottom right to bottom left		● Gray	8WH1020-5FF00
Let-through from top to bottom left and from top to bottom right		● Gray	8WH1020-5HF00
③ With illuminated display			
Let-through from top to bottom	24 V DC	● Gray	8WH1020-5JF30

Specific accessories

Covers



Width	Color	Article No.
2.2 mm	● Gray	8WH9000-1QA00

Compartment partitions



Width	Color	Article No.
2 mm	● Gray	8WH9070-6FA00

Spacer plates



• Compensates for tier offset if other terminals are mounted side by side		
Width	Color	Article No.
2.5 mm	● Gray	8WH9160-0AA00

See general accessories, from page 14/55 onwards

8WH screw terminals

8WH9 shield terminals

	Terminal diameter			
	3 ... 8 mm	3 ... 14 mm	3 ... 20 mm	20 ... 35 mm
Tightening torque	0.6 Nm	0.8 Nm	0.8 Nm	1.5 ... 1.8 Nm
Sheet thickness, mounting plate	1 ... 2 mm	1 ... 2 mm	1 ... 2 mm	1 ... 2 mm
				
Version				
For direct shield attachment on conductive mounting plate				
For connecting cable shield and enclosure ground	8WH9130-0AA00	8WH9130-0BA00	8WH9130-0CA00	8WH9130-0DA00
For 10 × 3 mm busbars				
For connecting cable shield and enclosure ground	8WH9130-0LA00	8WH9130-0MA00	8WH9130-0NA00	8WH9130-0PA00

Specific accessories

N conductor support brackets					
	Version	Article No.	Article No.	Article No.	Article No.
	Made of molded plastic and conductive connection with retaining screw	8WH9140-0DA00	8WH9140-0DA00	8WH9140-0DA00	8WH9140-0DA00
	For mounting rail with clearance of approx. 30 mm to the busbar	8WH9140-0BA00	8WH9140-0BA00	8WH9140-0BA00	–
	For mounting rail with clearance of approx. 65 mm to the busbar	8WH9140-0CA00	8WH9140-0CA00	8WH9140-0CA00	–
N busbars, 10 × 3 mm					
	Version	Length	Article No.	Article No.	Article No.
	Copper, tinned	1000 mm	8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

See general accessories, from page 14/55 onwards

Accessories for 8WH terminal blocks

Individual labeling system

Labeling systems for

- Terminal blocks
- Modular installation devices
- Circuit breakers
- Switch disconnectors

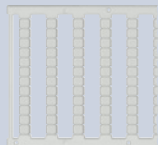
The inscription labels can be inscribed with Murrplastik labeling systems or by hand.

The WIN designation facilitates assignment in the inscription software.

Labeling systems available from:

Murrplastik Systemtechnik GmbH
Dieselstraße 10
D-71570 Oppenweiler
Telephone: +49 7191-482-0
email: info@murrplastik.de

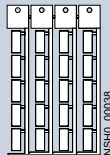
Blank labels



- Horizontal and vertical labeling

Version	Terminal width	Designation	Color	Article No.
Front	3.5 mm	WIN 97	● White	8WH8112-0AA05
	4.2 mm	WIN 97	● White	8WH8112-1AA05
	5.2 and 6.2 mm	WIN 88	● White	8WH8112-2AA05
	8.2, 10.2, 12.2 and 16 mm	WIN 40	● White	8WH8112-4AA05
Flat	3.5 mm	WIN 97	● White	8WH8113-0AA05
	4.2 mm	WIN 180	● White	8WH8113-1AA05
	5.2 mm	WIN 182	● White	8WH8113-1AA05
	6.2 mm	WIN 184	● White	8WH8113-1AA05
	8.2 mm	WIN 186	● White	8WH8113-1AA05
	10.2 mm	WIN 188	● White	8WH8113-1AA05
	12.2 and 16 mm	WIN 46Z	● White	8WH8113-6AA05

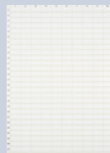
Snap-on device labels



- For identification of, e.g. circuit breakers, contactors and control systems

Version	Designation	Color	Article No.
20 × 7 mm, snap-on hooks at side	WIN 95	● White	8WH8210-0AA55
20 × 7 mm, snap-on hooks at side	WIN 95	● Turquoise	8WH8210-0AA56

Adhesive device labels

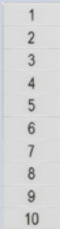
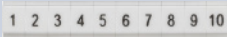
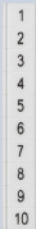


- For identification of, e.g. modular installation devices and switch disconnectors

Types	Designation	Color	Article No.
15 × 6 mm	WIN 098	● White	8WH8210-0AA35
	WIN 099	● Yellow	8WH8210-0AA36
19 × 8 mm	WIN 088	● White	8WH8210-0AA45
	WIN 082	● Yellow	8WH8210-0AA46

Accessories for 8WH terminal blocks

Standard labeling system

				Terminal size	1.5 mm²	2.5 mm²
				Terminal width	4.2 mm/5.2 mm (8WH3)	5.2 mm/6.2 mm (8WH3)
Front						
  	Text alignment	Inscription	Numbering	Article No.	Article No.	
	Vertical	Consecutive numbering	1 ... 10 (10×)	8WH8120-1AB05	8WH8120-2AB05	
			11 ... 20 (10×)	8WH8120-1AB15	8WH8120-2AB15	
			21 ... 30 (10×)	8WH8120-1AB25	8WH8120-2AB25	
			31 ... 40 (10×)	8WH8120-1AB35	8WH8120-2AB35	
			41 ... 50 (10×)	8WH8120-1AB45	8WH8120-2AB45	
			51 ... 60 (10×)	8WH8120-1AB55	8WH8120-2AB55	
			61 ... 70 (10×)	8WH8120-1AB65	8WH8120-2AB65	
			71 ... 80 (10×)	8WH8120-1AB75	8WH8120-2AB75	
			81 ... 90 (10×)	8WH8120-1AB85	8WH8120-2AB85	
	91 ... 100 (10×)	8WH8120-1AC05	8WH8120-2AC05			
	L1, L2, L3, N, PE	–	–	8WH8120-2AA15		
	Custom inscription	–	8WH8120-1XA05-Z Y01	8WH8120-2XA05-Z Y01		
	Horizontal	Consecutive numbering	1 ... 10 (10×)	8WH8140-1AB05	8WH8140-2AB05	
			11 ... 20 (10×)	8WH8140-1AB15	8WH8140-2AB15	
			21 ... 30 (10×)	8WH8140-1AB25	8WH8140-2AB25	
			31 ... 40 (10×)	8WH8140-1AB35	8WH8140-2AB35	
			41 ... 50 (10×)	–	8WH8140-2AB45	
			51 ... 60 (10×)	–	8WH8140-2AB55	
			61 ... 70 (10×)	–	8WH8140-2AB65	
71 ... 80 (10×)			–	8WH8140-2AB75		
81 ... 90 (10×)			–	8WH8140-2AB85		
91 ... 100 (10×)	–	8WH8140-2AC05				
Custom inscription	–	8WH8140-1XA05-Z Y01	8WH8140-2XA05-Z Y01			
Blank	–	–	8WH8110-1AA05	8WH8110-2AA05		
Flat						
  	Text alignment	Inscription	Numbering	Article No.	Article No.	
	Vertical	Consecutive numbering	1 ... 10 (10×)	8WH8121-1AB05	8WH8121-2AB05	
			11 ... 20 (10×)	8WH8121-1AB15	8WH8121-2AB15	
			21 ... 30 (10×)	8WH8121-1AB25	8WH8121-2AB25	
			31 ... 40 (10×)	8WH8121-1AB35	8WH8121-2AB35	
			41 ... 50 (10×)	8WH8121-1AB45	8WH8121-2AB45	
			51 ... 60 (10×)	8WH8121-1AB55	8WH8121-2AB55	
			61 ... 70 (10×)	–	8WH8121-2AB65	
			71 ... 80 (10×)	–	8WH8121-2AB75	
			81 ... 90 (10×)	–	8WH8121-2AB85	
	91 ... 100 (10×)	–	8WH8121-2AC05			
	Custom inscription	–	8WH8121-1XA05-Z Y01	8WH8121-2XA05-Z Y01		
	Horizontal	Consecutive numbering	1 ... 10 (10×)	8WH8141-1AB05	8WH8141-2AB05	
			11 ... 20 (10×)	8WH8141-1AB15	8WH8141-2AB15	
			21 ... 30 (10×)	8WH8141-1AB25	8WH8141-2AB25	
			31 ... 40 (10×)	8WH8141-1AB35	8WH8141-2AB35	
			41 ... 50 (10×)	8WH8141-1AB45	8WH8141-2AB45	
			51 ... 60 (10×)	–	8WH8141-2AB55	
			61 ... 70 (10×)	–	8WH8141-2AB65	
			71 ... 80 (10×)	–	8WH8141-2AB75	
81 ... 90 (10×)			–	8WH8141-2AB85		
91 ... 100 (10×)	–	8WH8141-2AC05				
Custom inscription	–	8WH8141-1XA05-Z Y01	8WH8141-2XA05-Z Y01			
Blank	–	–	8WH8111-1AA05	8WH8111-2AA05		

4 mm ²	6 mm ²	10 and 16 mm ²	35 mm ²
6.2 mm	8.2 mm	10.2 and 12.2 mm	16 mm
Article No.	Article No.	Article No.	Article No.
8WH8120-3AB05	8WH8120-4AB05	8WH8120-5AB05	–
8WH8120-3AB15	8WH8120-4AB15	8WH8120-5AB15	–
8WH8120-3AB25	8WH8120-4AB25	8WH8120-5AB25	–
8WH8120-3AB35	8WH8120-4AB35	8WH8120-5AB35	–
8WH8120-3AB45	8WH8120-4AB45	–	–
8WH8120-3AB55	8WH8120-4AB55	–	–
8WH8120-3AB65	8WH8120-4AB65	–	–
8WH8120-3AB75	8WH8120-4AB75	–	–
8WH8120-3AB85	–	–	–
8WH8120-3AC05	–	–	–
8WH8120-3AA15	8WH8120-4AA15	8WH8120-5AA15	8WH8120-7AA15
8WH8120-3XA05-Z Y01	8WH8120-4XA05-Z Y01	8WH8120-5XA05-Z Y01	8WH8120-7XA05-Z Y01
8WH8140-3AB05	8WH8140-4AB05	8WH8140-5AB05	–
8WH8140-3AB15	8WH8140-4AB15	8WH8140-5AB15	–
8WH8140-3AB25	8WH8140-4AB25	–	–
8WH8140-3AB35	–	–	–
8WH8140-3AB45	–	–	–
8WH8140-3AB55	–	–	–
8WH8140-3AB65	–	–	–
8WH8140-3AB75	–	–	–
8WH8140-3AB85	–	–	–
8WH8140-3AC05	–	–	–
8WH8140-3XA05-Z Y01	8WH8140-4XA05-Z Y01	8WH8140-5XA05-Z Y01	8WH8140-7XA05-Z Y01
8WH8110-3AA05	8WH8110-4AA05	8WH8110-5AA05	8WH8110-7AA05
Article No.	Article No.	Article No.	Article No.
8WH8121-3AB05	8WH8121-4AB05	8WH8121-5AB05	–
8WH8121-3AB15	8WH8121-4AB15	8WH8121-5AB15	–
8WH8121-3AB25	–	8WH8121-5AB25	–
8WH8121-3AB35	–	–	–
8WH8121-3AB45	–	–	–
8WH8121-3AB55	–	–	–
8WH8121-3AB65	–	–	–
8WH8121-3AB75	–	–	–
8WH8121-3AB85	–	–	–
8WH8121-3AC05	–	–	–
8WH8121-3XA05-Z Y01	8WH8121-4XA05-Z Y01	8WH8121-5XA05-Z Y01	–
–	–	–	–
–	–	–	–
–	–	–	–
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–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
8WH8141-3XA05-Z Y01	8WH8141-4XA05-Z Y01	8WH8141-5XA05-Z Y01	–
8WH8111-3AA05	8WH8111-4AA05	8WH8111-5AA05	8WH8111-7AA05

Accessories for 8WH terminal blocks

Mounting accessories

Lateral mounting test plugs



- For individual assembly of test plug connectors
- Cannot be used for 8WH3 insulation displacement terminals.

Terminal size	Terminal width	Color	Article No.
2.5 mm ²	5.2 mm	● Red	8WH9010-0EB02

Spacer plates



- For skipping single terminals for individual test plug assembly
- Not suitable for 8WH3 insulation displacement terminals

Terminal size	Terminal width	Color	Article No.
2.5 mm ²	5.2 mm	● Red	8WH9010-2BA02

Bare infeed terminals, for N busbars



Size	Conductor cross-section	Rated uninterrupted current	Article No.
6 × 6 mm and 10 × 3 mm	Up to 4 mm ²	32 A	8WA2867
	Up to 25 mm ²	76 A	8WA2868
	Up to 35 mm ²	125 A	8WA2870

Terminal strip markers, for end retainers



- Height-adjustable
- For quick-fit end retainers
- Can be provided with two front labels, for terminal width 10.2 mm and terminal strip markers

Labeling field size	Color	Article No.
20 × 8 mm	● Gray	8WH9150-1CA00

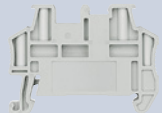
Test adapters



- When plugged in, finger-safe against accidental direct contact according to EN 50274
- For 4 mm test plugs and terminal blocks with 4.2 mm ... 8.2 mm spacing

Color	Article No.
● Gray	8WH9010-0JB00

Quick-fit end retainers



- Can be provided with front labels, for terminal width 5.2 mm and terminal strip markers

Color	Article No.
● Gray	8WH9150-0CA00

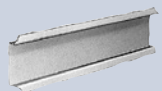
End retainers, steel



- Suitable for 8WA1806 end label
- An 8WA1820 barrier must be inserted if using end retainers against an 8WA189 connection bar (size 2.5)

Mounting width	Article No.
10.3 mm	8WA1805

DIN rails



Version	Material	Norm	Length	Thickness	Article No.
Perforated	Steel, sendzimir-galvanized	EN 60715-35 × 7.5	2 m	1 mm	5ST1145
Non-perforated	Steel, sendzimir-galvanized	EN 60715-35 × 7.5	2 m	1 mm	5ST1141
	Copper	EN 60715-35 × 15	2 m	2.3 mm	8WA7551
	Steel, zinc-plated, chromated	Similar to EN 50022-35 × 15	2 m	1.5 mm	5ST1142

N busbars, 6 × 6 mm



Version	Length	Rated uninterrupted current	Article No.
For four-field	1109 mm	125 A	8GF9324-2

Insulation carriers



Use	Article No.
For mounting insulated mounting rails	8WA1857

Isolating links, 5 × 20 mm



Size	Article No.
5 × 20 mm	8WH9021-0CB12

5 × 25 mm G fuse links



Types	Breaking capacity	Rated uninterrupted current	Article No.
Quick	Large	1 A	8WA1822-7EF16
		1.6 A	8WA1822-7EF18
		2.5 A	8WA1822-7EF21
		4 A	8WA1822-7EF23
		6.3 A	8WA1822-7EF25
Slow	Small	1 A	8WA1822-7EF76
		1.6 A	8WA1822-7EF78
		2.5 A	8WA1822-7EF81
		4 A	8WA1822-7EF83
		6.3 A	8WA1822-7EF85

Reducing combs



- For connecting two through-type terminals
- Cannot be used for 8WH1 through-type terminals and 8WH3 insulation displacement terminals

From terminal size	To terminal size	Color	Article No.
2.5 mm ² or 4 mm ²	1.5 mm ²	Turquoise	8WH9020-0CC10
	6 mm ²	Turquoise	8WH9020-0FC10
	10 mm ²	Turquoise	8WH9020-0AC10
	16 mm ²	Turquoise	8WH9020-0BC10
	35 mm ²	Turquoise	8WH9020-0EC10
16 mm ²	35 mm ²	Turquoise	8WH9020-0DC10

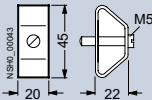
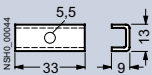
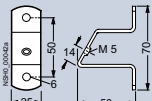
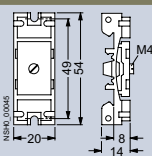
Connecting combs



Terminal size	Terminal width	Max. load current I_{max}	Used for 8WH3	Number of poles	Article No.
1.5 mm ²	4.2 mm	17.5 A	Cannot be used	2-pole	8WH9020-6AC10
				3-pole	8WH9020-6AD10
				4-pole	8WH9020-6AE10
				5-pole	8WH9020-6AF10
				10-pole	8WH9020-6AL10
				20-pole	8WH9020-6AS10
2.5 mm ²	5.2 mm	24 A	Can be used for terminal size 1.5 mm ²	2-pole	8WH9020-6BC10
				3-pole	8WH9020-6BD10
				4-pole	8WH9020-6BE10
				5-pole	8WH9020-6BF10
				10-pole	8WH9020-6BL10
				20-pole	8WH9020-6BS10
4 mm ²	6.2 mm	32 A	Can be used for terminal size 2.5 mm ²	50-pole	8WH9020-6BT10
				2-pole	8WH9020-6CC10
				3-pole	8WH9020-6CD10
				4-pole	8WH9020-6CE10
				5-pole	8WH9020-6CF10
				10-pole	8WH9020-6CL10
6 mm ²	8.2 mm	41 A	Cannot be used	20-pole	8WH9020-6CS10
				50-pole	8WH9020-6CT10
				2-pole	8WH9020-6DC10
				3-pole	8WH9020-6DD10
				4-pole	8WH9020-6DE10
				5-pole	8WH9020-6DF10
10 mm ²	10.2 mm	57 A	Cannot be used	10-pole	8WH9020-6DL10
				2-pole	8WH9020-6EC10
16 mm ²	12.2 mm	76 A	Cannot be used	2-pole	8WH9020-6FC10
35 mm ²	16 mm	101 A	Cannot be used	2-pole	8WH9020-6GC10

Accessories for 8WH terminal blocks

Mounting accessories

Spacer brackets			
	Version	Article No.	
	For raised mounting of terminal strips	8WA753	
Spacers			
	Version	Drill hole	Article No.
	For raised mounting of terminal strips	5.5 mm	8WA752
Mounting brackets			
	Version	Article No.	
	For mounting rails	8WA746	
Insulation carriers			
	Version	Article No.	
	For insulated mounting of mounting rails onto plates, frame profiles and DIN rails EN 50022-35	8WA1857	



Appendix



Conditions of sale and delivery _____ A/2

Link directory _____ A/4

Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase hard- and software products as well as services (together hereinafter referred to as "products") described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as "T&C"). Note, for products purchased from any Siemens entity having a registered office outside of Germany, the respective terms and conditions of sale and delivery of the respective Siemens entity apply exclusively. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

1.1 For customers with a seat or registered office in European Union

For customers with a seat or registered office in European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the text of the product description, these specific terms and conditions shall apply and subordinate thereto,
- for stand-alone software products and software products forming a part of a product or project, the "General Conditions for Software Products for Infrastructure & Industry Business (German law)"¹⁾ and/or
- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen für Infrastructure & Industry Geschäft (Deutsches Recht)"¹⁾ (available only in German) and/or
- for other services, the "Supplementary Terms and Conditions for Services for Infrastructure & Industry Business (German Law) ("BL")"¹⁾ and/or
- for other products the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾.

In case such products should contain Open Source Software, the conditions of which shall prevail over the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾, the Product will be given a note as to which special conditions apply to this open source software. This shall apply mutatis mutandis for notices referring to other third-party software components.

1.2 For customers with a seat or registered office outside European Union

For customers with a seat or registered office outside European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the "Standard Terms and Conditions for Consulting Services for Infrastructure & Industry Business (Swiss Law)"¹⁾ and/or
- for other services the "International Terms & Conditions for Services"¹⁾ supplemented by "Software Licensing Conditions"¹⁾ and/or
- for other products the "International Terms & Conditions for Products"¹⁾ supplemented by "Software Licensing Conditions"¹⁾

1.3 For customers with master or framework agreement

To the extent products offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

2. Additional Terms and Conditions

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

Illustrations are not binding.

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

¹⁾ The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

3. Export Control and Sanctions Compliance

3.1 General

Customer shall comply with all applicable sanctions, embargoes and (re-)export control laws and regulations, and, in any event, with those of the European Union, the United States of America and any locally applicable jurisdiction (collectively "Export Regulations").

3.2 Checks for Products

Prior to any transaction by customer concerning products (including hardware, documentation and technology) delivered by Siemens, or products (including maintenance and technical support) performed by Siemens with a third party, customer shall check and certify by appropriate measures that

- (i) the customer's use, transfer, or distribution of such products, the brokering of contracts or the provision of other economic resources in connection with products will not be in violation of any Export Regulations, also taking into account any prohibitions to circumvent these (e.g., by undue diversion)
- (ii) the products are not intended or provided for prohibited or unauthorized non-civilian purposes (e.g. armaments, nuclear technology, weapons, or any other usage in the field of defense and military);
- (iii) customer has screened all direct and indirect parties involved in the receipt, use, transfer, or distribution of the products against all applicable restricted party lists of the Export Regulations concerning trading with entities, persons and organizations listed therein and
- (iv) products within the scope of items-related restrictions, as specified in the respective annexes to the Export Regulations, will not, unless permitted by the Export Regulations, be
 - (a) exported, directly or indirectly (e.g., via Eurasian Economic Union (EAEU) countries), to Russia or Belarus, or
 - (b) resold to any third party business partner that does not take a prior commitment not to export such products to Russia or Belarus.

3.3 Non-Acceptable Use of Software and Cloud Services

Customer shall not, unless permitted by the Export Regulations or respective governmental licenses or approvals,

- (i) download, install, access or use the products from or in any location prohibited by or subject to comprehensive sanctions or subject to license requirements according to the Export Regulations;
- (ii) grant access to, transfer, (re-)export (including any "deemed (re-)exports"), or otherwise make available the products to any entity, person, or organization identified on a restricted party list of the Export Regulations;
- (iii) use the products for any purpose prohibited by the Export Regulations (e.g. use in connection with armaments, nuclear technology or weapons);

- (iv) upload to a products platform any customer content unless it is non-controlled (e.g. in the EU: AL = N; in the U.S.: ECCN = N or EAR99);
- (v) facilitate any of the afore mentioned activities by any user. Customer shall provide all users with all information necessary to ensure compliance with the Export Regulations.

3.4 Semiconductor Development

Customer will not, without advance written authorization from Siemens, use offerings for the development or production of integrated circuits at any semiconductor fabrication facility located in China meeting the criteria specified in the U.S. Export Administration Regulations, 15 C.F.R. 744.23.

3.5 Information

Upon request by Siemens, customer shall promptly provide Siemens with all information pertaining to users, the intended use and the location of use or the final destination (in the case of hardware, documentation and technology) of the products. Customer will notify Siemens prior to customer disclosing any information to Siemens that is defense-related or requires controlled or special data handling pursuant to applicable government regulations, and will use the disclosure tools and methods specified by Siemens.

3.6 Reservation

Siemens 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. Customer acknowledges that Siemens may be obliged under the Export Regulations to limit or suspend access by customer and/or users to products.

4. Miscellaneous

Errors excepted and subject to change without prior notice.

Link directory

Catalog LV 10

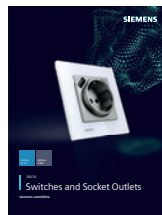
General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
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TIA Selection Tool	www.siemens.com/tst
Electrical Product Finder	www.siemens.com/electrical-product-finder
Sustainability	www.siemens.com/sustainability
Siemens EcoTech	www.siemens.com/SiemensEcoTech www.siemens.com/lowvoltage/SiemensEcoTech
SETRON product phase-out	www.siemens.com/info-sentron

Catalogs and further information



LV 10
Low-Voltage Power Distribution and Electrical Installation Technology
 SENTRON • SIVACON • ALPHA
 PDF (E86060-K8280-A101-B9-7600)



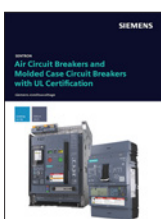
ET D1
Switches and Socket Outlets
 DELTA
 PDF (SIEP-C10409-00-7600)



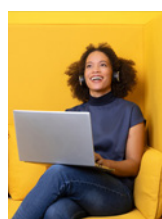
LV 13
3WA Air Circuit Breakers
 SENTRON
 PDF (E86060-K8280-B101-A4-7600)



SiePortal
 Information and Ordering Platform
 on the Internet:
sieportal.siemens.com



LV 18
Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification
 SENTRON
 PDF (E86060-K8280-E347-B2-7600)



SITRAIN
 Digital Industry Academy
www.siemens.com/sitrain



IC 10
Industrial Controls
 SIRIUS
 PDF (E86060-K1010-A101-B7-7600)



Siemens TIA Selection Tool
 for the selection, configuration and
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The catalogs listed above and additional catalogs are available in PDF format at
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Further information on low-voltage power distribution and electrical installation technology is available on the Internet at www.siemens.com/lowvoltage

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Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

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