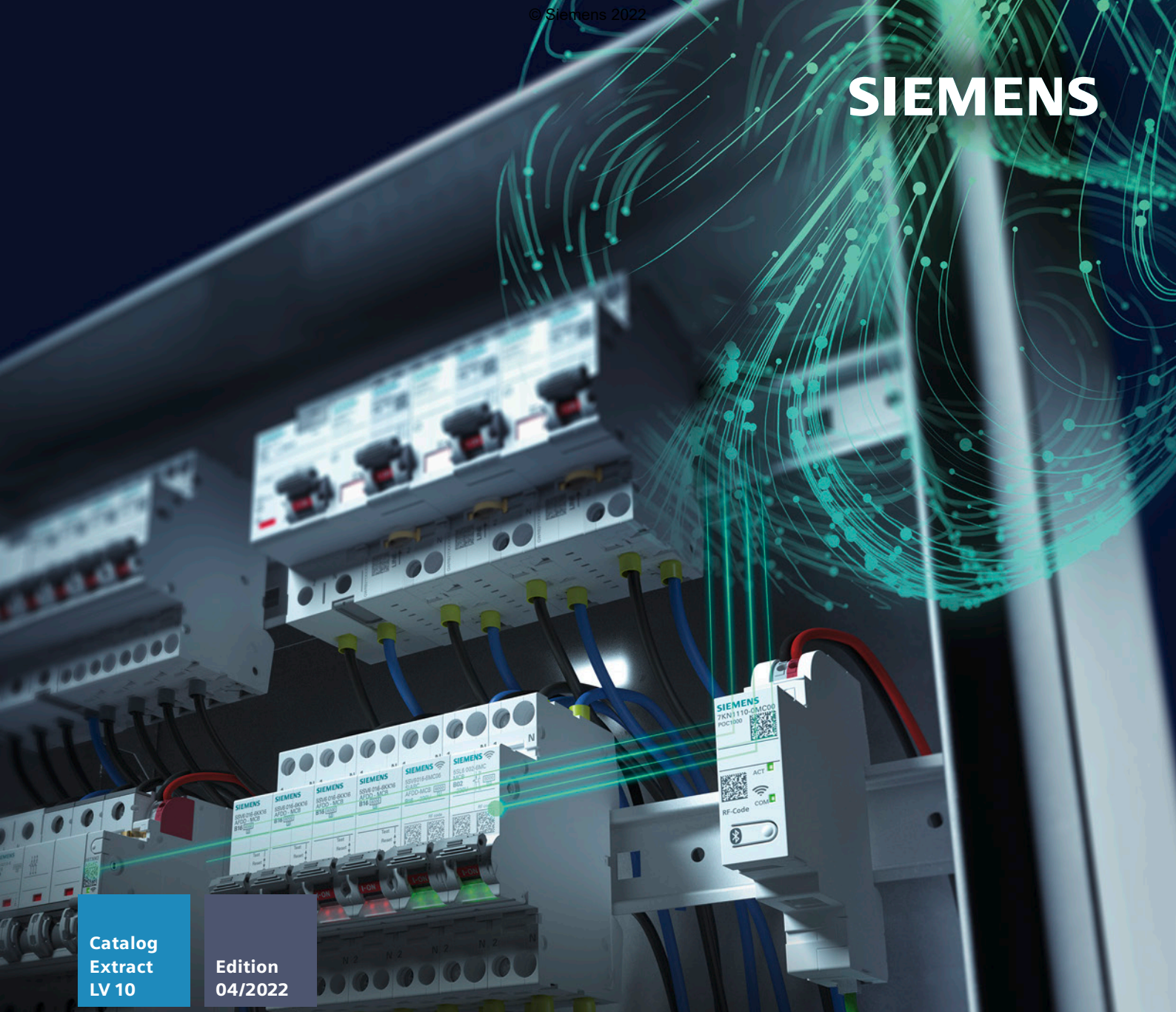
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Catalog Extract LV 10

Edition 04/2022

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Terminal Blocks

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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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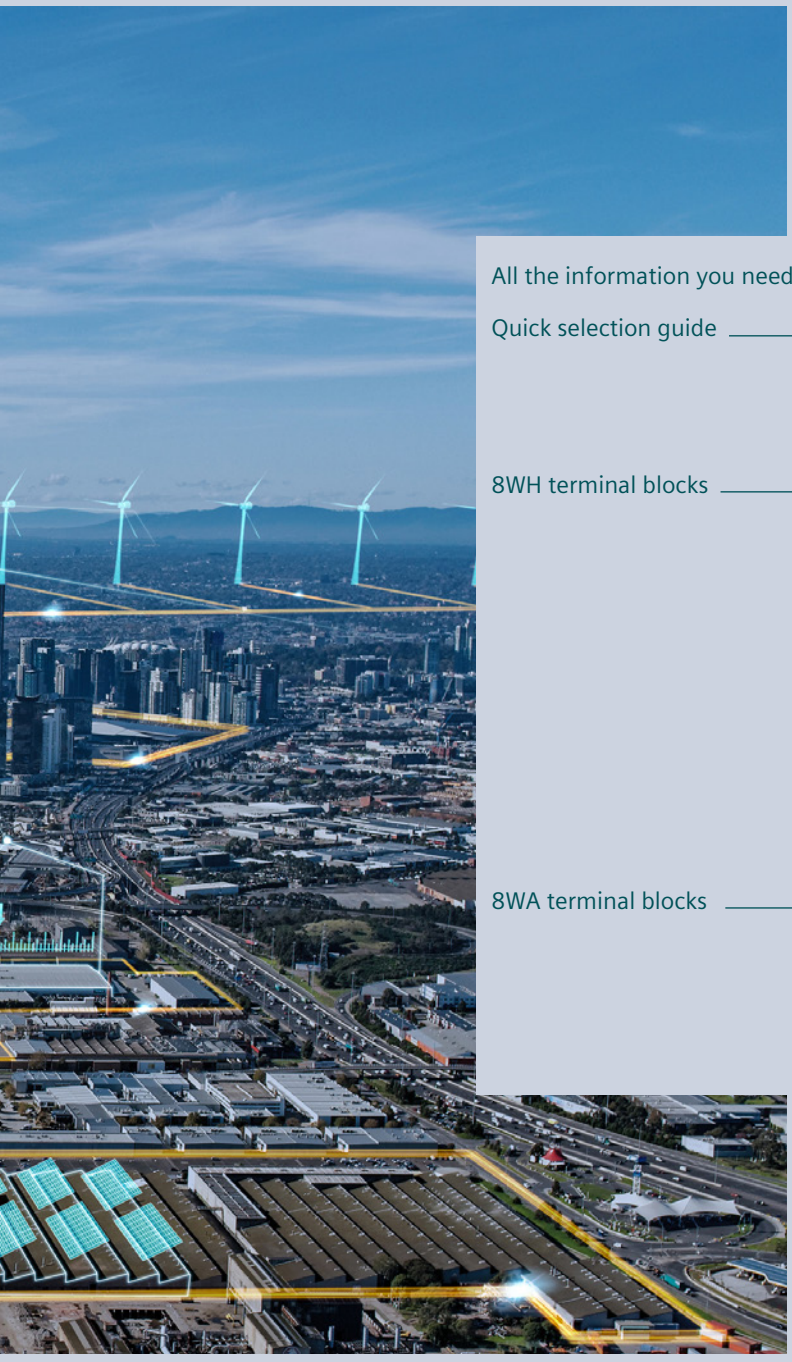
Always the right connection

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.

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Terminal Blocks



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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 **bit.ly/2kKVz0D**

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Terminal blocks **sie.ag/2kW8ZXo**

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

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- Siemens Industry Mall
  www.siemens.com/lowvoltage/mall
- 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)

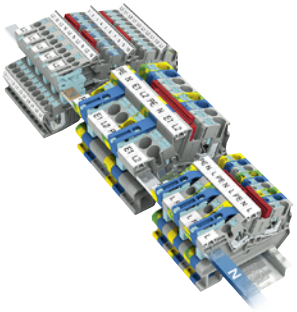
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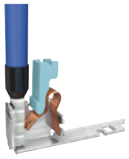
8WH terminal blocks



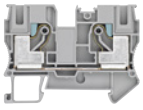
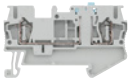
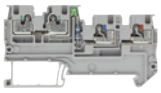
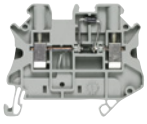


8WH6 iPo plug-in terminals





8WH6 iPo installation terminals

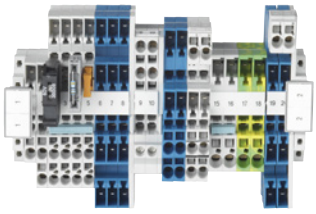
Through-type terminals 	Through-type terminals	2.5 ... 150 mm² See page 14/8	2.5 ... 35 mm² See page 14/18
	Two-tier terminals	2.5 ... 4 mm² See page 14/11	–
	Three-tier terminals	–	–
	Four-tier motor terminals	–	–
Isolating terminals 	Isolating and isolating blade terminals	2.5 ... 4 mm² See page 14/12	–
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	N conductor isolating terminals	–	2.5 ... 35 mm² See page 14/20
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Initiator/actuator terminals 	Initiator terminals	1.5 mm² See page 14/15	–
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	Infeed terminals	2.5 mm² See page 14/16	–
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	Diode terminals	–	–
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8WH2 spring-loaded terminals





8WH5 combination plug-in terminals





8WH3 insulation displacement terminals





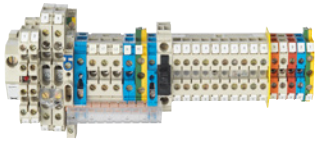
8WH1 screw terminals

1.5 ... 35 mm²	See page 14/24	2.5 mm²	See page 14/36	1.5 ... 2.5 mm²	See page 14/40	2.5 ... 240 mm²	See page 14/44
1.5 ... 4 mm²	See page 14/27	–		1.5 mm²	See page 14/40	2.5 ... 4 mm²	See page 14/47
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2.5 ... 4 mm²	See page 14/29	–		–		–	
2.5 ... 4 mm²	See page 14/30	–		1.5 ... 2.5 mm²	See page 14/40	4 ... 6 mm²	See page 14/48
–		–		–		4 mm²	See page 14/50
–		–		–		–	
–		–		–		6 mm²	See page 14/51
–		–		–		–	
–		–		–		–	
–		–		–		–	
4 mm²	See page 14/32	–		–		4 ... 6 mm²	See page 14/52
–		–		–		–	
–		–		–		–	
2.5 mm²	See page 14/34	–		–		4 mm²	See page 14/54
2.5 mm²	See page 14/34	–		–		2.5 mm²	See page 14/55
–		–		–		Diameter 2 ... 35 mm	See page 14/56
From page 14/24		From page 14/36		From page 14/40		From page 14/44	

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8WA terminal blocks





8WA1 screw terminals



8WA2 spring-loaded terminals

		8WA1 screw terminals	8WA2 spring-loaded terminals
Through-type terminals	Through-type terminals	2.5 ... 95 mm² See page 14/62	
	Two-tier terminals	4 mm² See page 14/67	–
	Three-tier terminals	2.5 mm² See page 14/68	–
	Four-tier motor terminals	–	–
Isolating terminals	Isolating and isolating blade terminals	–	–
	Two-tier isolating terminals	–	–
	N conductor isolating terminals	2.5 ... 16 mm² See page 14/69	–
	Measuring transformer terminals	6 mm² See page 14/71	–
Initiator/actuator terminals	Initiator terminals	–	1.5 mm² See page 14/76
	Actuator terminals	–	1.5 mm² See page 14/76
	Infeed terminals	–	1.5 mm² See page 14/77
Function terminals	Fuse terminals	1.5 mm² See page 14/72	–
	Three-tier terminals	–	–
	Three-tier isolating terminals	–	–
	Diode terminals	2.5 mm² See page 14/73	–
	Two-tier diode terminals	4 mm² See page 14/74	–
	Shield terminals	–	–
	Further information	From page 14/62	From page 14/76

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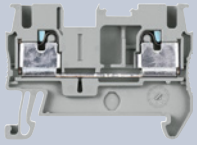
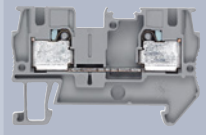
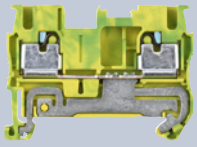
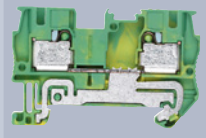
8WH6 iPo plug-in terminals

Through-type terminals

①

② 

	Terminal size	
	2.5 mm²	4 mm²
Terminal width	5.2 mm	6.2 mm
Max. operational 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 mm²	0.2 ... 6 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.2 ... 4 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, c UL us	IEC 60947-7-1, IEC 60947-7-2, c UL us

Terminals	Color		
❶ 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
❷ 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

Special 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	–

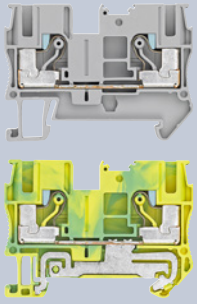
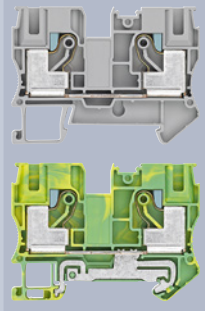
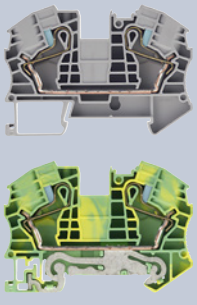
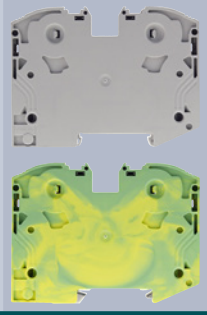
Warning covers new



Article No.	Article No.
8WH9060-5CA06	8WH9063-5CA06

See general accessories, from page 14/57 onwards

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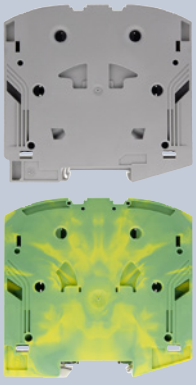
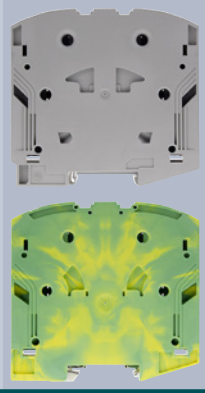
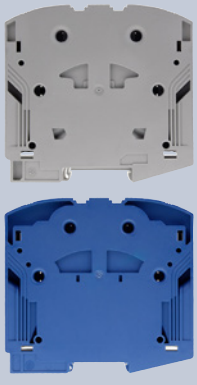
6 mm²	10 mm²	16 mm²	35 mm²
8.2 mm	10.2 mm	12.2 mm	16 mm
41 A	57 A	90 A	125 A
1000 V	1000 V	1000 V	1000 V
20 ... 8	20 ... 6	20 ... 4	10 ... 2
0.5 ... 10 mm²	0.5 ... 16 mm²	0.5 ... 25 mm²	6 ... 35 mm²
0.5 ... 6 mm²	0.5 ... 10 mm²	0.5 ... 16 mm²	6 ... 35 mm²
IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1, IEC 60947-7-2,
			
Article No.	**Article No.**	**Article No.**	**Article No.**
8WH6000-0AH00	8WH6000-0AJ00	8WH6000-0AK00	8WH6000-0AM00
8WH6000-0AH01	8WH6000-0AJ01	8WH6000-0AK01	8WH6000-0AM01
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
Article No.	**Article No.**	**Article No.**	**Article No.**
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.**
–	–	–	–
–	–	–	–
–	–	–	–
Article No.	**Article No.**	**Article No.**	**Article No.**
–	–	–	–
Article No.	**Article No.**	**Article No.**	**Article No.**
8WH9063-5CA06	8WH9065-5CA06	8WH9066-5CA06	8WH9067-5CA06

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8WH6 iPo plug-in terminals

Through-type terminals for high-current applications

① ②

	Terminal size		
	50 mm²	**95 mm²**	**150 mm²**
Terminal width	20 mm	25 mm	31 mm
Max. operational 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 mm²	25 ... 95 mm²	95 ... 150 mm²
Connection capacity, flexible with end sleeve	10 ... 50 mm²	25 ... 95 mm²	95 ... 150 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, cULus
			

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

Special 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 new

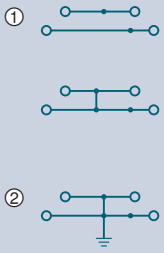


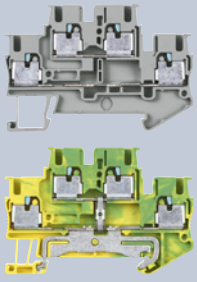
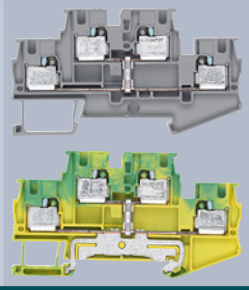
	Article No.	Article No.	Article No.
	8WH9067-5CA06	8WH9068-5CA06	8WH9068-5CA06

See general accessories, from page 14/57 onwards

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Two-tier terminals



	Terminal size	
	2.5 mm²	4 mm²
Terminal width	5.2 mm	6.2 mm
Max. operational 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 mm²	0.2 ... 6 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.2 ... 4 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus
		

Version	Color			
❶ Two-tier terminals				
Without equipotential bonding		Gray	8WH6020-0AF00	8WH6020-0AG00
		Blue	8WH6020-0AF01	8WH6020-0AG01
With equipotential bonding		Gray	8WH6025-0AF00	8WH6025-0AG00
❷ 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).

Special accessories

Covers



Terminals	Color	Width	Article No.	Article No.
4	Gray	2.2 mm	8WH9000-4SE00	–
4	Gray	2.2 mm	–	8WH9003-1VA00

Compartment partitions



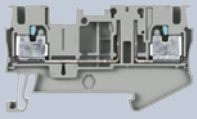
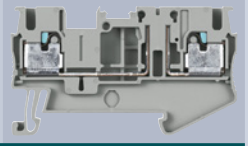
Terminals	Color	Width	Article No.	Article No.
4	Gray	2 mm	8WH9070-0BA00	8WH9070-0BA00

See general accessories, from page 14/57 onwards

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8WH6 iPo plug-in terminals

Isolating terminals

	Terminal size	
	2.5 mm²	**4 mm²**
Terminal width	5.2 mm	6.2 mm
Max. operational 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 mm²	0.2 ... 6 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.2 ... 4 mm²
Standard	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus
		

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

Special 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

Type	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

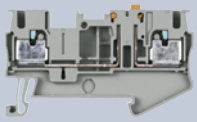
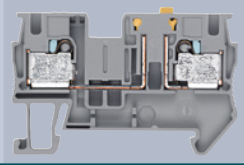
[1] The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links.
Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested.
Higher ambient temperatures represent an additional load for the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

See general accessories, from page 14/57 onwards

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Isolating blade terminals



	Terminal size	
	2.5 mm²	4 mm²
Terminal width	5.2 mm	6.2 mm
Max. operational 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 mm²	0.2 ... 6 mm²
Connection capacity, two rigid conductors	–	0.5 ... 6 mm²
Connection capacity, one flexible conductor	0.14 ... 2.5 mm²	0.2 ... 4 mm²
Standard	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus
		

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

Special 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

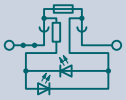
See general accessories, from page 14/57 onwards

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8WH6 iPo plug-in terminals

Fuse terminals

① 

② 

	Terminal size 4 mm²
Terminal width	6.2 mm
Max. operational 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	cULus,



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

Special accessories

Covers



Terminals	Color	Width	Article No.
2	Gray	2.2 mm	8WH9003-1GA00

5 × 25 mm G fuse links



Type	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 × 25 mm

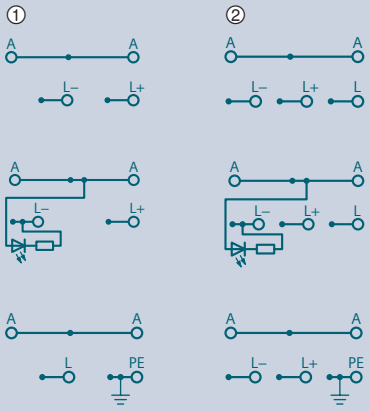


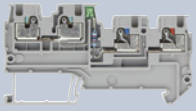
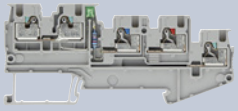
Size	Article No.
5 × 25 mm	8WH9021-0CB12

See general accessories, from page 14/57 onwards

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Initiator/actuator terminals



	Terminal size 1.5 mm²	
Terminal width	3.5 mm	3.5 mm
Max. operational 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 mm²	0.14 ... 1.0 mm²
Connection capacity, flexible with end sleeve, without plastic sleeve	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Standard	IEC 60947-7-1	IEC 60947-7-1
		

Conductors [1]	Number of connections	LED	Color		
❶ 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	–
❷ 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

Special accessories

Covers



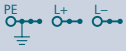
Version	Width	Color	Article No.	Article No.
For 3-wire	2.2 mm	Gray	8WH9001-2VD00	–
For 4-wire	2.2 mm	Gray	–	8WH9001-4VE00

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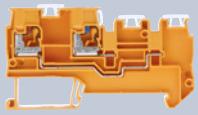
8WH6 iPo plug-in terminals

Infeed terminals for initiator/actuator terminals

① 

② 

	Terminal size 2.5 mm²
Terminal width	7 mm
Max. operational 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 mm²
Connection capacity, flexible with end sleeve, without plastic sleeve	0.2 ... 2.5 mm²
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 14/57 onwards

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Special accessories for 8WH6 initiator/actuator terminals

Connecting combs



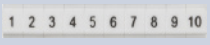
Number of poles	Load current	Color	Article No.
2-pole	17.5 A	Red	8WH9020-6JC02
		Blue	8WH9020-6JC01
		Gray	8WH9020-6JC00
3-pole	17.5 A	Red	8WH9020-6JD02
		Blue	8WH9020-6JD01
		Gray	8WH9020-6JD00
4-pole	17.5 A	Red	8WH9020-6JE02
		Blue	8WH9020-6JE01
		Gray	8WH9020-6JE00
5-pole	17.5 A	Red	8WH9020-6JF02
		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



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

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





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



Type	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

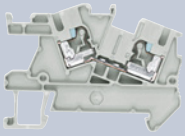
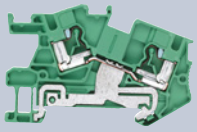
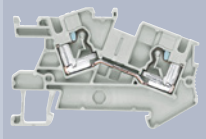
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8WH6 iPo installation terminals

Through-type terminals

①

② 

	Terminal size			
	2.5 mm²		4 mm²	
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. rated voltage U_{max}	800 V	–	800 V	–
Rated impulse withstand voltage	–	–	–	–
AWG	26 ... 12	24 ... 12	24 ... 10	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm²	0.2 ... 4 mm²	0.2 ... 6 mm²	0.2 ... 6 mm²
Connection capacity, two rigid conductors	–	–	–	–
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm²	0.25 ... 2.5 mm²	0.25 ... 4 mm²	0.25 ... 4 mm²
Connection capacity, flexible without end sleeve	0.14 ... 2.5 mm²	0.25 ... 2.5 mm²	0.25 ... 4 mm²	0.25 ... 4 mm²
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	
❶ Through-type terminals					
2	Gray	8WH6001-0AF00	–	8WH6001-0AG00	–
	Blue	8WH6001-0AF01	–	8WH6001-0AG01	–
❷ PE through-type terminals					
2	Green-yellow	–	8WH6001-0CF07	–	8WH6001-0CG07

Special 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	–	–

Insulation plate



Color	Article No.	Article No.
Gray	–	–

Connecting terminals



Color	Width	Article No.	Article No.
Blau	10,3 mm	8WH9126-0BA01	8WH9126-0BA01

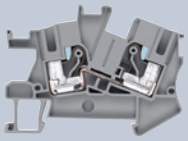
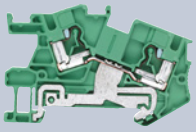
N busbars, 10 × 3 mm new



Version	Length	Article No.	Article No.
Kupfer verzinnt	1000 mm	8WH9030-2AB12	8WH9030-2AB12

See general accessories, from page 14/57 onwards

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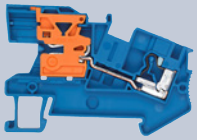
6 mm²		16 mm²		35 mm²	
8.2 mm	8.2 mm	12.2 mm	12.2 mm	15.2 mm	15 mm
66 mm	66 mm	51 mm	51 mm	55 mm	55 mm
50 mm	50 mm	50 mm	50 mm	51 mm	51 mm
41 A	–	76 A	–	125 A	125 A
800 V	–	400 V	–	800 V	–
–	–	6 kV	6 kV	8 kV	8 kV
20 ... 8	20 ... 8	22 ... 4	22 ... 4	18 ... 2	18 ... 2
0.5 ... 10 mm²	0.5 ... 10 mm²	6 ... 25 mm²	6 ... 25 mm²	0.75 ... 35 mm²	0.75 ... 35 mm²
–	–	2.5 ... 10 mm²	2.5 ... 10 mm²	0.75 ... 10 mm²	0.75 ... 10 mm²
0.5 ... 6 mm²	0.5 ... 6 mm²	6 ... 16 mm²	6 ... 16 mm²	0.75 ... 35 mm²	0.75 ... 35 mm²
0.5 ... 6 mm²	0.5 ... 6 mm²	6 ... 16 mm²	6 ... 16 mm²	0.75 ... 10 mm²	0.75 ... 10 mm²
–	–	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, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus,	cULus,	cULus,
					
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.**
–	8WH9070-6GA00	8WH9070-6GA00
Article No.	**Article No.**	**Article No.**
8WH9126-0BA01	8WH9126-0BA01	–
Article No.	**Article No.**	**Article No.**
8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

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8WH6 iPo installation terminals

N conductor isolating terminals

	Terminal size	
	2.5 mm²	4 mm²
Terminal width	5.2 mm	6.2 mm
Terminal length	59 mm	66 mm
Terminal height	46.3 mm	46.3 mm
Max. rated current I_{max} / cross-section	24 A/2.5 mm²	32 A/4 mm²
Max. rated voltage U_{max}	250 V	250 V
Rated impulse withstand voltage	4 kV	6 kV
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm²	0.2 ... 6 mm²
Connection capacity, two rigid conductors	0.2 ... 1.5 mm²	0.2 ... 2 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.25 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	max. 0.5 mm²	max. 1 mm²
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

Special 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

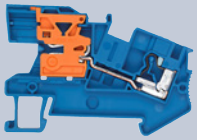
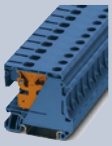
N busbars, 10 × 3 mm new



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

See general accessories, from page 14/57 onwards

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6 mm²	10 mm²	16 mm²	35 mm²
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 mm²	57 A/16 mm²	76 A/25 mm²	110 A/35 mm²
400 V	400 V	400 V	400 V
6 kV	6 kV	6 kV	6 kV
20 ... 8	–	–	–
0.5 ... 10 mm²	0.5 ... 16 mm²	6 ... 25 mm²	0.75 ... 35 mm²
0.5 ... 4 mm²	0.5 ... 4 mm²	2.5 ... 10 mm²	0.75 ... 10 mm²
0.5 ... 6 mm²	0.5 ... 10 mm²	6 ... 16 mm²	0.75 ... 35 mm²
0.5 ... 1.5 mm²	0.5 ... 2.5 mm²	4 ... 6 mm²	0.75 ... 10 mm²
–	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**
8WH6001-0BH01	8WH1201-0BJ01	8WH1201-0BK01	8WH1201-0BM01

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

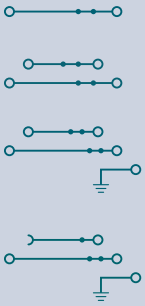
Article No.	Article No.	Article No.	Article No.
8WH9126-0BA01	8WH9126-0BA01	8WH9126-0BA01	–

Article No.	Article No.	Article No.	Article No.
8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

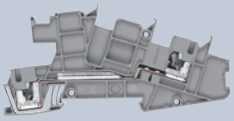
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8WH6 iPo installation terminals

Three-tier terminals



	Terminal size 2.5 mm²
Terminal width	5.2 mm
Terminal length	101 mm
Terminal height	50.5 mm
Max. rated current I_{max}/cross-section	24 A/4 mm²
Max. rated 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 mm²
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm²



Type	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

Special 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 new



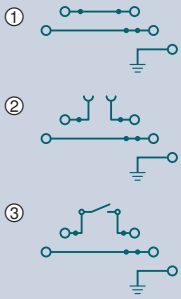
Version	Length	Article No.
Copper, tinned [1]	1000 mm	8WH9030-2AB12

[1] Only copper busbars may be installed.

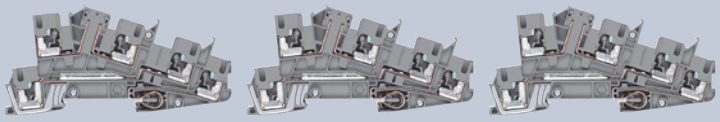
See general accessories, from page 14/57 onwards

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Three-tier isolating terminals



	Terminal size		
	2.5 mm²		
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. rated current I_{max}/cross-section	24 A/4 mm²	24 A/4 mm²	24 A/4 mm²
Max. rated 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 mm²	0.25 ... 4 mm²	0.25 ... 4 mm²
Connection capacity, flexible with end sleeve	0.25 ... 2.5 mm²	0.25 ... 2.5 mm²	0.25 ... 2.5 mm²



Type	Color			
❶ Through-type terminals with identical contour				
PE/L/L	Gray	–	–	8WH6001-4PF00
❷ Isolating terminals				
PE/L/L isolation	Gray	8WH6001-4MF00	–	–
❸ Isolating blade terminals				
PE/L/L isolating blade	Gray	–	8WH6001-4NF00	–
PE/L/N isolating blade	Gray	–	8WH6001-4GF00	–

Special accessories

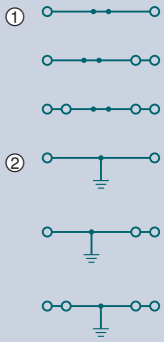
Covers for isolating terminal in the contour					
	Color	Width	Article No.	Article No.	Article No.
	Gray	2.2 mm	–	8WH9000-6SA00	8WH9000-6SA00

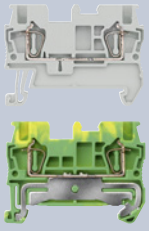
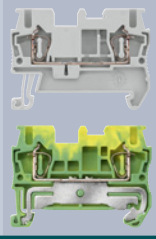
See general accessories, from page 14/57 onwards

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8WH2 spring-loaded terminals

Through-type terminals



	Terminal size	
	1.5 mm²	2.5 mm²
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 mm²	0.08 ... 4 mm²
Connection capacity, flexible with end sleeve	0.14 ... 1.5 mm²	0.14 ... 2.5 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, c UL us,	IEC 60947-7-1, IEC 60947-7-2, c UL us
		

Terminals	Color		
❶ 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
❷ 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

Special 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

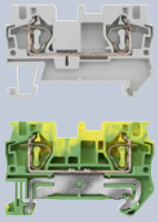
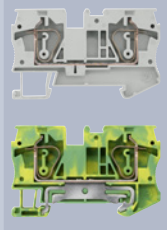
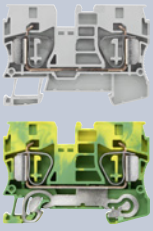
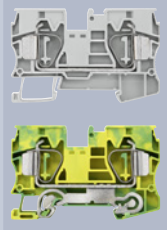
Color	Article No.	Article No.
Gray	8WH9000-0GA00	8WH9000-0GA00

Warning covers for the operating shafts of 8WH2 through-type terminals



	Article No.	Article No.
	8WH9061-5AA06	8WH9060-5AA06

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4 mm²	6 mm²	10 mm²	16 mm²	35 mm²
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 mm²	0.2 ... 10 mm²	1.5 ... 16 mm²	0.2 ... 25 mm²	2.5 ... 35 mm²
0.14 ... 4 mm²	0.25 ... 6 mm²	1.5 ... 10 mm²	0.25 ... 16 mm²	2.5 ... 35 mm²
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
				
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**
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	8WH9065-5AA06	8WH9066-5AA06	8WH9067-5AA06

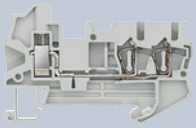
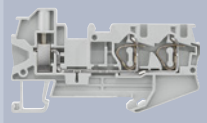
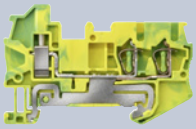
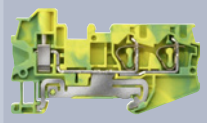
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8WH2 spring-loaded terminals

Hybrid through-type terminals

①

② 

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

Special accessories

Covers



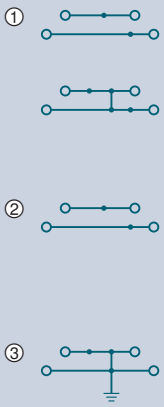
Color	Width	Terminals	Article No.	Article No.
Gray	2.2 mm	3	8WH9000-2HA00	8WH9003-2HA00

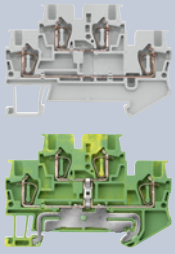
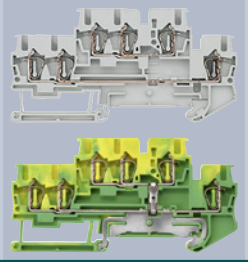
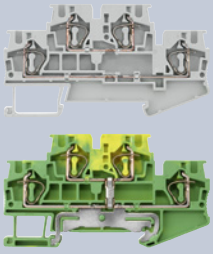
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See general accessories, from page 14/57 onwards

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Two-tier terminals



	Terminal size		
	1.5 mm²	2.5 mm²	4 mm²
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 mm²	0.08 ... 4 mm²	0.08 ... 6 mm²
Connection capacity, flexible with end sleeve	0.08 ... 1.5 mm²	0.08 ... 2.5 mm²	0.08 ... 4 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, c UL us, CCA	IEC 60947-7-1, IEC 60947-7-2, c UL us	IEC 60947-7-1, IEC 60947-7-2, c UL us
			

Version	Number of poles	Terminals	Color			
❶ 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	–
❷ Two-tier terminals, N at top and L at bottom						
Without equipotential bonding	2-pole	4	Gray	–	8WH2020-4CF00	–
❸ 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.

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Special accessories

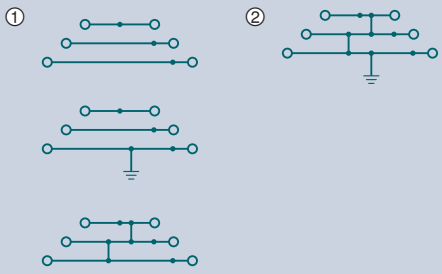
Covers					
	Width	Terminals	Color	Article No.	Article No.	Article No.
	2.2 mm	4	Gray	8WH9000-1VA00	8WH9000-1VA00	8WH9003-1VA00
		6	Gray	–	8WH9000-2VA00	–
Compartment partitions						
			Color	Article No.	Article No.	Article No.
			Gray	8WH9070-0BA00	8WH9070-0BA00	8WH9070-0BA00

See general accessories, from page 14/57 onwards

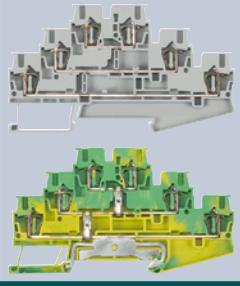
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8WH2 spring-loaded terminals

Three-tier terminals

① ② 

	Terminal size 2.5 mm²
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 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, c UL us



Version	Type	Color	
❶ 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
❷ PE three-tier terminals			
		Green-yellow	8WH2035-0CF07

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

Special accessories

Covers



Width	Color	Article No.
2.2 mm	Gray	8WH9000-1GD00

Label holder



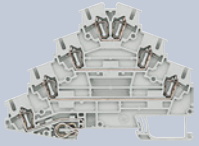
Color	Article No.
Gray	8WH9060-4BA00

See general accessories, from page 14/57 onwards

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Four-tier motor terminals



	Terminal size	
	2.5 mm²	4 mm²
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 mm²	0.08 ... 6 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²	0.08 ... 4 mm²
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus, CB
		
Type	**Color**		
L/L/L/PE	Gray	8WH2040-4LF00	8WH2040-4LG00

Special accessories

Covers



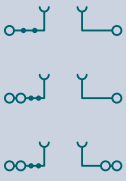
Color	Width	Article No.	Article No.
Gray	2.2 mm	8WH9000-1GE00	–

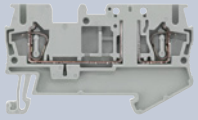
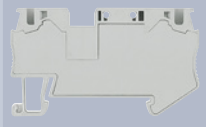
See general accessories, from page 14/57 onwards

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8WH2 spring-loaded terminals

Isolating terminals



	Terminal size	
	2.5 mm²	4 mm²
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 mm²	0.08 ... 6 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²	0.08 ... 4 mm²
Standard	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus
		

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

Special 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

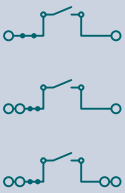
Type	Color	I_{max}	Illuminated display	Article No.	Article No.
 Isolating plugs	Orange	20 A	–	8WH9040-0DB04	8WH9040-0DB04
 Through-type connectors	Gray	16 A	–	8WH9020-8AB00	8WH9020-8AB00
 Fused connectors [1]	Black	6.3 A	12 ... 30 V, 1 ... 2.5 mA	8WH9040-3AB08	8WH9040-3AB08
			Without	8WH9040-3DB08	8WH9040-3DB08
 Component connectors	Gray	6 A	–	8WH9040-0BB00	8WH9040-0BB00

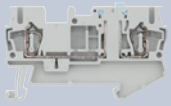
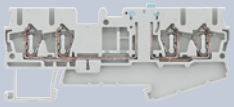
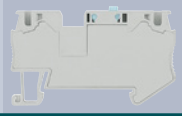
[1] The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links.
Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested.
Higher ambient temperatures represent an additional load for the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

See general accessories, from page 14/57 onwards

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Isolating blade terminals



	Terminal size		
	2.5 mm²		4 mm²
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 mm²	0.14 ... 4 mm²	0.08 ... 6 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²	0.14 ... 2.5 mm²	0.08 ... 4 mm²
Standard	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus
			

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.

Special 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	–

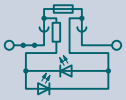
See general accessories, from page 14/57 onwards

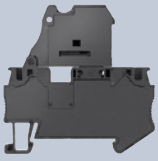
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8WH2 spring-loaded terminals

Fuse terminals

① 

② 

	Terminal size 4 mm²		
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 mm²	0.08 ... 6 mm²	0.08 ... 6 mm²
Connection capacity, flexible with end sleeve	0.08 ... 4 mm²	0.08 ... 4 mm²	0.08 ... 4 mm²
Standard	IEC 60947-7-3, cULus	IEC 60947-7-3, cULus	IEC 60947-7-3, cULus
			

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.

Special accessories

Compartment partitions



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

See general accessories, from page 14/57 onwards

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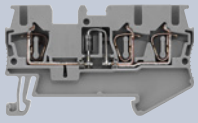
8WH2 spring-loaded terminals

Diode terminals

①

② 

	Terminal size 2.5 mm²
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 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²
Diode	1N 4007, integrated
Standard	cULus



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

Special 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

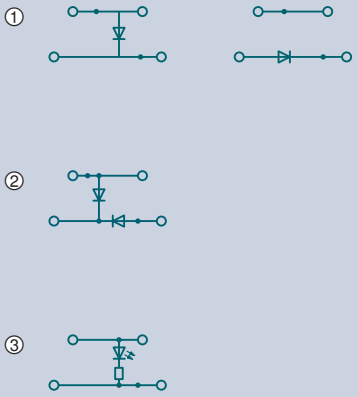
Color	Terminals	Article No.
Gray	3	8WH9000-0GA00

14

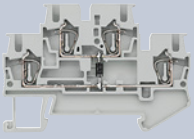
See general accessories, from page 14/57 onwards

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Two-tier diode terminals



	Terminal size 2.5 mm²
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 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²
Diode	1N 4007, integrated
Standard	cULus



Type	Color	
❶ With one diode		
Let-through from top to bottom	Gray	8WH2020-5AF00
Let-through from bottom left to bottom right	Gray	8WH2020-5DF00
❷ With two diodes		
Let-through from top to bottom left and from bottom right to bottom left	Gray	8WH2020-5KF00
❸ With illuminated display		
15 ... 30 V DC/2.5 ... 7.5 A	Gray	8WH2020-5JF30

Special 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 14/57 onwards

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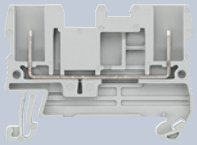
8WH5 combination plug-in terminals

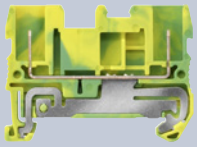
Through-type terminals

① 

② 

	Terminal size 2.5 mm²
Terminal width	5.2 mm
Max. load current I_{max}	24 A
Max. operational voltage U_{max}	500 V
Standard	IEC 61984, c UL us





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

Special accessories

Covers



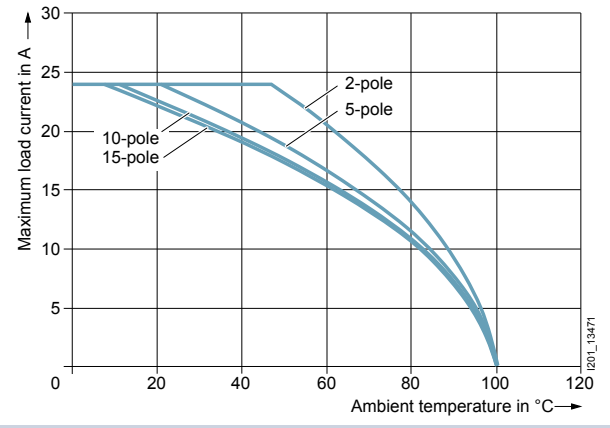
Terminals	Color	Width	Article No.
2	Gray	2.2 mm	8WH9000-1VA00

Compartment partitions



Terminals	Color	Article No.
2	Gray	8WH9070-0BA00

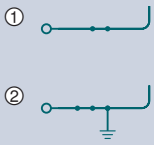
See general accessories, from page 14/57 onwards



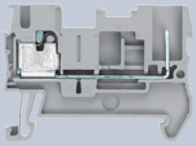
Derating curve for 8WH5000-0AF00

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Hybrid through-type terminals



	Terminal size 2.5 mm²
Terminal width	5.2 mm
Max. rated current I_{max}/cross-section	24 A/2.5 mm²
Max. rated voltage U_{max}	500 V
AWG	26 ... 12
Connection capacity, rigid	0.14 ... 4 mm²
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm²
Standard	cULus





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

Special accessories

Covers



Terminals	Color	Width	Article No.
2	Gray	2.2 mm	8WH9000-1GA00

Compartment partitions



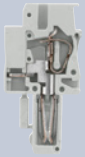
Terminals	Color	Article No.
4	Gray	8WH9070-0HA00

See general accessories, from page 14/57 onwards

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8WH5 combination plug-in terminals

8WH9 plugs

	Terminal size 2.5 mm²	
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 mm²	0.08 ... 4 mm²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm²	0.08 ... 2.5 mm²
Number of poles	1P	1P
Standard	cULus	cULus
		
		

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

Special 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



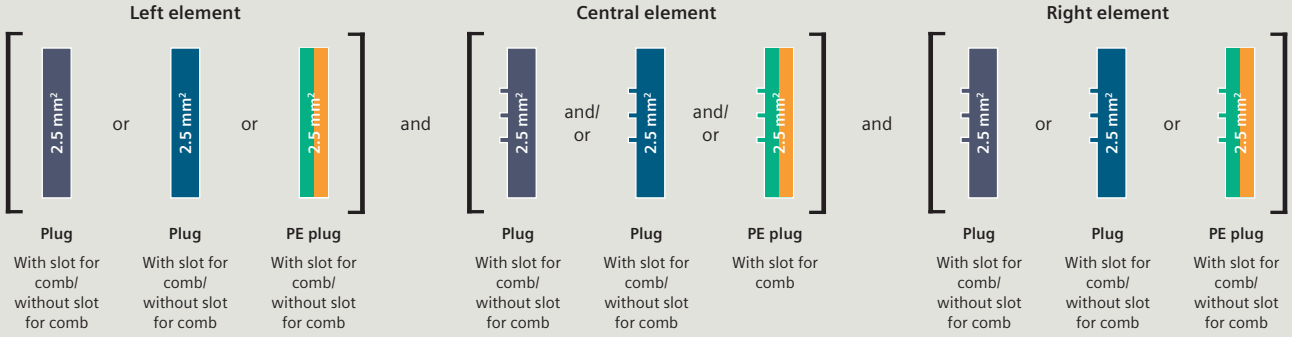
- For connection of shielded cables

Cable diameter	Color	Article No.	Article No.
5 ... 10 mm	Black	8WH9120-0DB08	8WH9120-0DB08

See general accessories, from page 14/57 onwards

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Configuration of combination plug

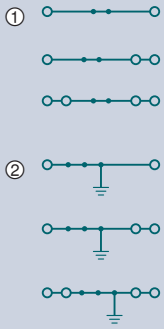


Note:
The configuration concept shown is just one example of how combination plugs can be configured.

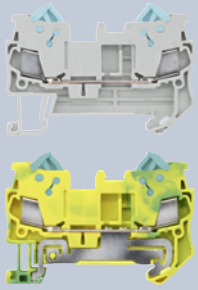
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8WH3 insulation displacement terminals

Through-type terminals



	Terminal size 1.5 mm²
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 mm²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm²



Terminals	Color		
❶ Through-type terminals			
2		Gray	8WH3000-0AE00
		Blue	8WH3000-0AE01
3		Gray	8WH3003-0AE00
		Blue	8WH3003-0AE01
4		Gray	8WH3004-0AE00
		Blue	8WH3004-0AE01
❷ 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.

Special 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.
2	Gray	2 mm	8WH9070-0JA00
4	Gray	2 mm	8WH9070-0MA00

See general accessories, from page 14/57 onwards

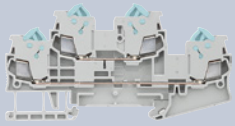
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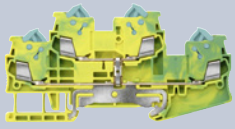
Two-tier terminals

① 

② 

	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 mm²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm²
Standard	cULus





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

Special accessories

Covers



Width	Color	Article No.
2.2 mm	Gray	8WH9001-1BA00

Compartment partitions



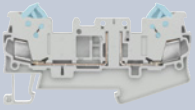
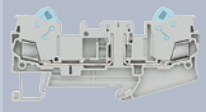
Color	Article No.
Gray	8WH9070-0MA00

See general accessories, from page 14/57 onwards

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8WH3 insulation displacement terminals

Isolating terminals

	Terminal size	
	1.5 mm²	2.5 mm²
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	24 ... 16	20 ... 14
Connection capacity, rigid	0.25 ... 1.5 mm²	0.5 ... 2.5 mm²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm²	0.5 ... 2.5 mm²
Standard	cULus	cULus
		
Terminals	**Color**		
2	Gray	8WH3000-6AE00	8WH3000-6AF00

Special accessories

Covers



Width	Color	Article No.	Article No.
2.2 mm	Gray	8WH9001-2AA00	8WH9000-2AA00

Plug-in zone connectors

	Type	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 14/57 onwards

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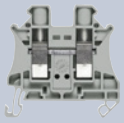
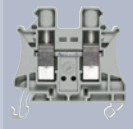
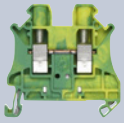
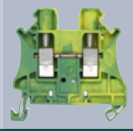
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8WH screw terminals

8WH1 through-type terminals



	Terminal size	
	2.5 mm²	4 mm²
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 mm²	0.14 ... 6 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.14 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Tightening torque	0.5 ... 0.6 Nm	0.6 ... 0.8 Nm
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus,	IEC 60947-7-1, IEC 60947-7-2, cULus,

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

Special 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

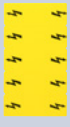
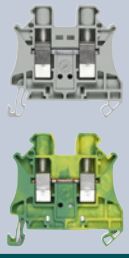
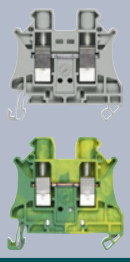


Image	Color	Article No.	Article No.
Lightning symbol	Yellow	8WH9060-5BA06	8WH9063-5BA06

See general accessories, from page 14/57 onwards

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6 mm²	10 mm²	16 mm²	35 mm²	
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 mm²	0.5 ... 16 mm²	1.5 ... 25 mm²	1.5 ... 50 mm²	1.5 ... 35 mm²
0.2 ... 2.5 mm²	0.5 ... 4 mm²	1 ... 6 mm²	1.5 ... 16 mm²	1.5 ... 16 mm²
0.25 ... 6 mm²	0.5 ... 10 mm²	1 ... 16 mm²	1.5 ... 35 mm²	1.5 ... 35 mm²
0.2 ... 2.5 mm²	0.5 ... 4 mm²	1 ... 6 mm²	1.5 ... 10 mm²	1.5 ... 10 mm²
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,	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,
				
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

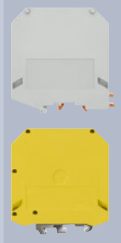
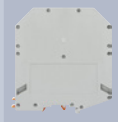
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8WH screw terminals

8WH1 through-type terminals for high-current applications

① ○——○

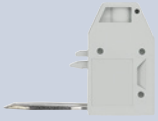
② ○—┴—○

	Terminal size				
	50 mm²	70 mm² new	95 mm²	150 mm²	240 mm²
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 mm²	16 ... 95 mm²	25 ... 95 mm²	35 ... 150 mm²	70 ... 240 mm²
Connection capacity, flexible with end sleeve	25 ... 50 mm²	16 ... 70 mm²	35 ... 95 mm²	50 ... 150 mm²	70 ... 185 mm²
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, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus
					

Terminals	Color					
❶ 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
❷ PE through-type terminals						
2	Green-yellow	8WH1000-0CN07	8WH1000-0CP07	8WH1000-0CQ07	–	–

Special 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.	Article No.
57 A	10 mm²	8WH9120-0AA00	–	8WH9120-0BA00	8WH9120-0CA00	8WH9120-0CA00

Insertion profiles



- Evens out the prismatic sleeve base when using flat conductors

	Article No.	Article No.	Article No.	Article No.	Article No.
	8WH9020-3MA00	–	8WH9020-3NA00	8WH9020-3PA00	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.	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



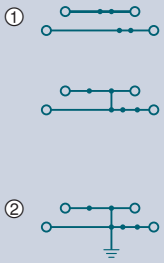
- For cross links
- Screw heads with insulating collar
- Remove partition first

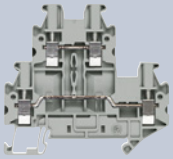
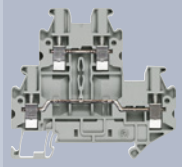
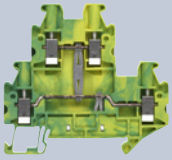
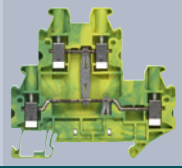
I_{max}	Number of poles	Article No.	Article No.	Article No.	Article No.	Article No.
150 A	2-pole	8WH9020-6HC00	8WH9020-3AH00 new	–	–	–
	3-pole	8WH9020-6HD00	8WH9020-3AJ00 new	–	–	–

See general accessories, from page 14/57 onwards

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8WH1 two-tier terminals



	Terminal size	
	2.5 mm²	4 mm²
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 mm²	0.14 ... 6 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²	0.14 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Tightening torque	0.5 ... 0.6 Nm	0.6 ... 0.8 Nm
Standard	cULus,	cULus,
		
		

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

Special 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

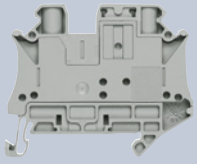
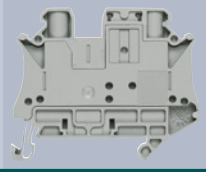
Width	Color	Article No.	Article No.
2.5 mm	Gray	8WH9160-0AA00	8WH9160-0AA00

See general accessories, from page 14/57 onwards

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8WH screw terminals

8WH1 isolating terminals

	Terminal size	
	4 mm²	6 mm²
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 mm²	0.2 ... 10 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²	0.2 ... 2.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm²	0.2 ... 10 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²	0.2 ... 2.5 mm²
Tightening torque	0.6 ... 0.8 Nm	1.5 ... 1.8 Nm
Standard	cULus,	cULus
		

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

Special accessories

Plug-in zone connectors

	Type	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.

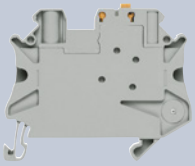
See general accessories, from page 14/57 onwards

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8WH1 isolating blade terminals



	Terminal size 4 mm²
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 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²
Tightening torque	0.6 ... 0.8 Nm
Standard	cULus,



Terminals	Color	
2	Gray	8WH1000-6CG00

Special accessories

Warning covers for 8WH1



Image	Color	Article No.
Lightning symbol	Yellow	8WH9063-5BA06

See general accessories, from page 14/57 onwards

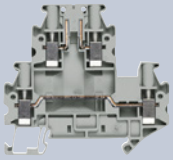
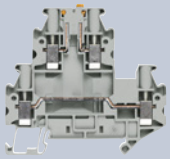
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8WH screw terminals

8WH1 two-tier terminals with isolating function

① 

② 

	Terminal size 4 mm²	
Terminal width	6.2 mm	6.2 mm
Max. load current I_{max}	38 A	38 A
Max. operational voltage U_{max}	500 V	500 V
AWG	26 ... 10	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm²	0.14 ... 6 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm²	0.14 ... 6 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²	0.14 ... 1.5 mm²
Tightening torque	0.6 ... 0.8 Nm	0.6 ... 0.8 Nm
Standard	cULus,	cULus,
		

Version	Color		
❶ Isolating terminal			
Isolating terminal in the upper tier	Gray	8WH1020-6AG00	–
❷ Isolating blade			
Isolating blade in the upper tier	Gray	–	8WH1020-6AC00

Special 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

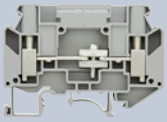
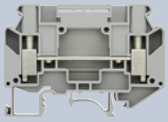
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8WH1 measuring transformer isolating terminals

① 

②

	Terminal size 6 mm²	
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 mm²	0.5 ... 10 mm²
Connection capacity, flexible with end sleeve	0.5 ... 6 mm²	0.5 ... 6 mm²
Disconnect slide tightening torque	0.6 ... 0.8 Nm	–
Tightening torque	1.5 ... 1.6 Nm	1.5 ... 1.6 Nm
Standard	cULus, CE	cULus, CE
		

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

Special 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.	Article No.
0.6 ... 0.8 Nm	2-pole	Gray	8WH9021-0AC00	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.	Article No.
0.6 ... 0.8 Nm	10-pole	Gray	8WH9021-0AL00	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.	Article No.
20 A	2-pole	Black	8WH9010-0BC08	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

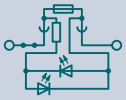
See general accessories, from page 14/57 onwards

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8WH screw terminals

8WH1 fuse terminals

① 

② 

	Terminal size	
	4 mm²	6 mm²
Terminal width	6.2 mm	8.2 mm
Max. load current I_{max}	6.3 A	10 A
Max. operational voltage U_{max}	500 V	630 V
AWG	26 ... 10	24 ... 8
Connection capacity, one rigid conductor	0.14 ... 6 mm²	0.2 ... 10 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²	0.2 ... 2.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm²	0.2 ... 10 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²	0.2 ... 2.5 mm²
Tightening torque	0.6 ... 0.8 Nm	1.5 ... 1.8 Nm
Standard	IEC 60947-7-3, cULus, CB	IEC 60947-7-3, cULus, CB
		

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

Special accessories

Plug-in zone connectors



Version	Color	I_{max}	Illuminated display	Article No.	Article No.
Fused connectors [1]	● Schwarz	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.

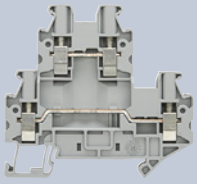
See general accessories, from page 14/57 onwards

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



	Terminal size 2.5 mm²
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 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²
Tightening torque	0.5 ... 0.6 Nm
Standard	cULus,



Terminals	Color	
4	Gray	8WH1020-5LF00

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

Special 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 14/57 onwards

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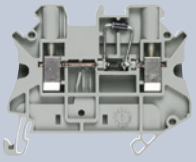
8WH screw terminals

8WH1 diode terminals

①

② 

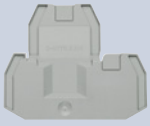
	Terminal size 4 mm²
Terminal width	6.2 mm
Uninterrupted limiting current	0.5 A
Max. operational voltage U_{max}	800 V
Blocking voltage	1300 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²
Tightening torque	0.6 ... 0.8 Nm
Diode	1N 4007, integrated
Standard	cULus,



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

Special accessories

Covers



Width	Color	Article No.
2.2 mm	Gray	8WH9000-2PA00

Warning covers new

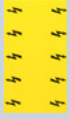
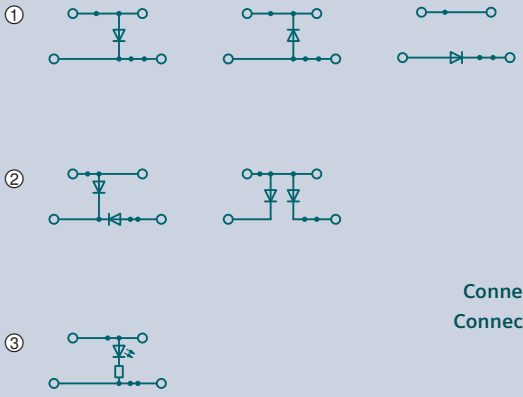


Image	Color	Article No.
Lightning symbol	Yellow	8WH9063-5CA06

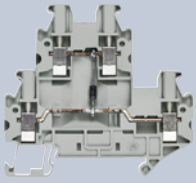
See general accessories, from page 14/57 onwards

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8WH1 two-tier diode terminals



	Terminal size 2.5 mm²
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 mm²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm²
Tightening torque	0.5 ... 0.6 Nm
Diode	1N 4007, integrated
Standard	cULus,



Type	LED	Color	
❶ 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
❷ 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
❸ With illuminated display			
Let-through from top to bottom	24 V DC	Gray	8WH1020-5JF30

Special 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 14/57 onwards

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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

Special accessories

	Version	Article No.	Article No.	Article No.	Article No.
N conductor support brackets					
	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	–

	Version	Length	Article No.	Article No.	Article No.	Article No.
N busbars, 10 × 3 mm new						
	Copper, tinned	1000 mm	8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12	8WH9030-2AB12

See general accessories, from page 14/57 onwards

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Accessories for 8WH terminal blocks

Individual labeling system

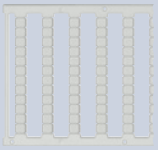
Labeling systems for
- Terminal blocks
- Modular installation devices
- Circuit breakers
- Switch disconnectors

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

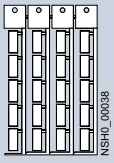
Blank labels



- 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

Type	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

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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

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4 mm²	6 mm²	10 and 16 mm²	35 mm²
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	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
8WH8141-3XA05-Z Y01	8WH8141-4XA05-Z Y01	8WH8141-5XA05-Z Y01	–
8WH8111-3AA05	8WH8111-4AA05	8WH8111-5AA05	8WH8111-7AA05

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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 mm²	5.2 mm	Red	8WH9010-0EB02

Spacer plates



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

Terminal size	Terminal width	Color	Article No.
2.5 mm²	5.2 mm	Red	8WH9010-2BA02

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

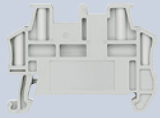
Test adapters



- 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

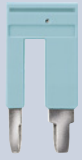
Quick-fit end retainers



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

Color	Article No.
Gray	8WH9150-0CA00

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 mm² or 4 mm²	1.5 mm²	Turquoise	8WH9020-0CC10
	6 mm²	Turquoise	8WH9020-0FC10
	10 mm²	Turquoise	8WH9020-0AC10
	16 mm²	Turquoise	8WH9020-0BC10
	35 mm²	Turquoise	8WH9020-0EC10
16 mm²	35 mm²	Turquoise	8WH9020-0DC10

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Connecting combs



Terminal size	Terminal width	Max. load current I_{max}	Used for 8WH3	Number of poles	Article No.
1.5 mm²	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 mm²	5.2 mm	24 A	Can be used for terminal size 1.5 mm²	2-pole	8WH9020-6BC10
				3-pole	8WH9020-6BD10
				4-pole	8WH9020-6BE10
				5-pole	8WH9020-6BF10
				10-pole	8WH9020-6BL10
				20-pole	8WH9020-6BS10
				50-pole	8WH9020-6BT10
4 mm²	6.2 mm	32 A	Can be used for terminal size 2.5 mm²	2-pole	8WH9020-6CC10
				3-pole	8WH9020-6CD10
				4-pole	8WH9020-6CE10
				5-pole	8WH9020-6CF10
				10-pole	8WH9020-6CL10
				20-pole	8WH9020-6CS10
				50-pole	8WH9020-6CT10
6 mm²	8.2 mm	41 A	Cannot be used	2-pole	8WH9020-6DC10
				3-pole	8WH9020-6DD10
				4-pole	8WH9020-6DE10
				5-pole	8WH9020-6DF10
				10-pole	8WH9020-6DL10
10 mm²	10.2 mm	57 A	Cannot be used	2-pole	8WH9020-6EC10
16 mm²	12.2 mm	76 A	Cannot be used	2-pole	8WH9020-6FC10
35 mm²	16 mm	101 A	Cannot be used	2-pole	8WH9020-6GC10

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8WA1 screw terminals

Through-type terminals

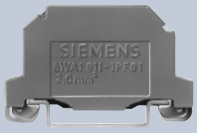
① ○—○

② ○—⏚—○

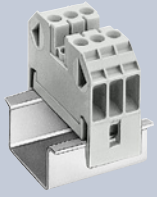
	Terminal size	
	2.5 mm²	4 mm²
Terminal width, through-type terminal	6 mm	6.5 mm
Terminal width, PE/PEN through-type terminal	6 mm	7.2 mm
3-pole terminal block width	18 mm	19.5 mm
10-pole terminal block width	61 mm	65.5 mm
Max. load current I_{max}	24 A	32 A
Max. operational voltage U_{max} (cULus, CSA)	600 V	600 V
Rated insulation voltage U_i	800 V	800 V
AWG cULus	22 ... 12	18 ... 10
AWG CSA	18 ... 12	18 ... 10
Connection capacity, rigid	0.5 ... 4 mm²	0.5 ... 6 mm²
Connection capacity, flexible with end sleeve	0.5 ... 2.5 mm²	0.5 ... 4 mm²
Tightening torque	0.5 Nm	0.5 Nm
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus, CSA	IEC 60947-7-1, IEC 60947-7-2, cULus, CSA

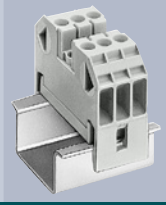






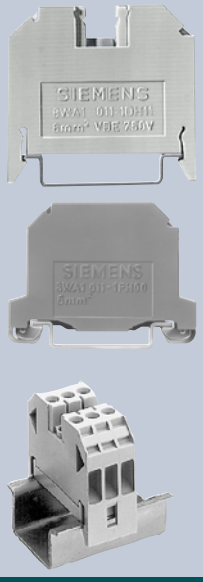
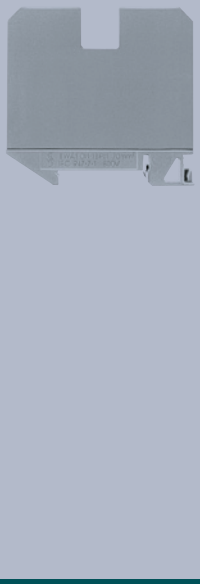






Terminals	Number of poles	Inscription	Color		
❶ Through-type terminal – single terminal					
2	1-pole	Blank	Beige	8WA1011-1DF11	8WA1011-1DG11
			Blue	8WA1011-1BF23	8WA1011-1BG11
			Red	8WA1011-1BF21	8WA1011-1BG21
			Orange	8WA1011-1BF22	8WA1011-1BG22
			Yellow	8WA1011-1BF26	–
			Black	8WA1011-1BF24	8WA1011-1BG24
			Green	8WA1011-1BF25	–
❷ PE/PEN through-type terminal – single terminal					
1	1-pole	Blank	Green-yellow	8WA1011-1PF01	8WA1011-1PG01
2	1-pole	Blank	Green-yellow	8WA1011-1PF00	8WA1011-1PG00
❶ Through-type terminal block					
6	3-pole	Blank	Beige	8WA1011-3DF21	8WA1011-3DG21
20	10-pole	Blank	Beige	8WA1011-0DF21	8WA1011-0DG21
		1 ... 10	Beige	8WA1011-0DF22	8WA1011-0DG22

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6 mm²	16 mm²	35 mm²	70 mm²
8 mm	10 mm	16 mm	25 mm
8 mm	12 mm	16 mm	–
24.5 mm	30 mm	48 mm	–
–	–	–	–
41 A	76 A	125 A	192 A
600 V	600 V	600 V	600 V
800 V	800 V	800 V	800 V
14 ... 8	12 ... 4	10 ... 1	8 ... 3/0
16 ... 8	14 ... 6	12 ... 2	8 ... 1/0
0.7 ... 10 mm²	1.5 ... 16 mm²	4 ... 16 mm²	10 ... 95 mm²
1.5 ... 6 mm²	2.5 ... 16 mm²	4 ... 35 mm²	16 ... 70 mm²
0.8 Nm	1.2 Nm	2.5 ... 3 Nm	6 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,	IEC 60947-7-1,
			
8WA1011-1DH11	8WA1204	8WA1205	8WA1206
8WA1011-1BH23	8WA1011-1BK11	8WA1011-1BM11	8WA1011-1BP11
–	–	–	–
–	–	–	–
–	–	–	–
8WA1011-1BH24	–	–	–
–	–	–	–
–	–	–	–
8WA1011-1PH00	8WA1011-1PK00	8WA1011-1PM00	–
8WA1011-3DH21	8WA1304	8WA1305	–
–	–	–	–
–	–	–	–

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8WA1 screw terminals

Through-type terminals

Special accessories

Terminal size	2.5 mm²	4 mm²
Covers		
Version	Article No.	Article No.
With lightning symbol	8WA1810	8WA1811
White, facility for labeling	8WA1860	8WA1862
For connection bars, transparent	8WA1822-7AX01	8WA1822-7AX01
For connection bars, white, inscription possible	8WA1822-7AX03	8WA1822-7AX03
Jumpers		
Version	Article No.	Article No.
For connection bars	8WA1822-7VF01	8WA1822-7VG00
Disconnecting links		
• The terminals must be fitted with end plates and must be mounted with the end plates facing each other		
I_n	Article No.	Article No.
Up to 32 A	8WA1865	8WA1865
End retainers, thermoplastic		
Width	Article No.	Article No.
10 mm	8WA1808	8WA1808
Insulation plate		
	Article No.	Article No.
	8WA1825	8WA1825
Barriers		
• Between terminals with terminal sizes 2.5 and 6 mm² two 8WH1820 barriers are required		
Width	Article No.	Article No.
2 mm	8WA1820	8WA1820
Connection bars		
Version	Article No.	Article No.
For two terminals	8WA1895	8WA1850
For three terminals	8WA1896	8WA1851
For four terminals	8WA1897	8WA1852
For ten terminals	8WA1898	8WA1853

See general accessories, from page 14/78 onwards

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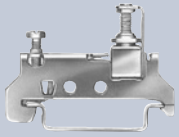
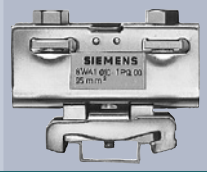
6 mm²	16 mm²	35 mm²	70 mm²
Article No.	Article No.	Article No.	Article No.
8WA1811	8WA1812	8WA1813	8WA1814
8WA1862	8WA1892	8WA1893	–
8WA1822-7AX01	8WA1822-7AX02	8WA1822-7AX02	–
8WA1822-7AX03	–	–	–
Article No.	Article No.	Article No.	Article No.
8WA1822-7VH00	–	–	–
Article No.	Article No.	Article No.	Article No.
8WA1865	–	–	–
Article No.	Article No.	Article No.	Article No.
8WA1808	8WA1808	8WA1808	8WA1808
Article No.	Article No.	Article No.	Article No.
8WA1825	8WA1822-7TK00	8WA1822-7TK00	–
Article No.	Article No.	Article No.	Article No.
8WA1821	8WA1821	8WA1823	8WA1824
Article No.	Article No.	Article No.	Article No.
8WA1885	8WA1842	8WA1828	8WA1216
8WA1886	8WA1845	8WA1803	–
8WA1887	8WA1848	–	–
8WA1888	8WA1802	8WA1804	–

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8WA1 screw terminals

PE through-type terminals, bare



	Terminal size	
	6 mm²	95 mm²
Terminal width	6 mm	16 mm
Terminal length	44 mm	75 mm
Terminal height	25 mm	63 mm
Tightening torque	0.8 Nm	15 ... 20 Nm
Connection capacity, rigid	0.5 ... 10 mm²	–
Connection capacity, flexible with end sleeve	1.5 ... 6 mm²	50 ... 95 mm²
Standard		
		

Terminals	Surface		
PE through-type terminals			
2	Bare	8WA1010-1PH01	8WA1010-1PQ00

Special accessories

Barriers			
		Article No.	Article No.
		8WA1821	–

See general accessories, from page 14/78 onwards

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Two-tier terminals

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	Terminal size 4 mm²
Terminal width	6.5 mm
Max. load current I_{max}	32 A
Rated insulation voltage U_i	690 V
AWG	18 ... 10
AWG	18 ... 10
Connection capacity, rigid	0.5 ... 6 mm²
Connection capacity, flexible with end sleeve	0.75 ... 4 mm²
Standard	,



Version	Color	
❶ Two-tier terminals without equipotential bonding		
2-pole with two electrically isolated connections	Beige	8WA1011-2DG11
	Blue	8WA1011-2BG11
❷ Two-tier terminals with equipotential bonding		
1-pole	Beige	8WA1011-6DG11
	Blue	8WA1011-6BG11

Special accessories

Covers

	Version	Article No.
	With lightning symbol	8WA1811
	White, facility for labeling	8WA1862
	For connection bars, transparent	8WA1822-7AX01

Jumpers

	Version	Article No.
	For upper tier of 2-pole terminals	8WA1822-7VG00
	For lower tier of 1 and 2-pole terminals	8WA1822-7VG01

Disconnecting links

	Article No.
	8WA1865

End plates

	Article No.
	8WA1817

Insulation plate

	Version	Article No.
	For upper and lower tier	8WA1825

Connection bars

	Version	Type	Article No.
	For upper tier of 2-pole terminals	For two terminals	8WA1850
		For three terminals	8WA1851
		For four terminals	8WA1852
		For ten terminals	8WA1853
	For lower tier of 1 and 2-pole terminals	For two terminals	8WA1835
		For ten terminals	8WA1838

Barriers

	Color	Article No.
	Gray	8WA1823

See general accessories, from page 14/78 onwards

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8WA1 screw terminals

Insta or three-tier terminals

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	Terminal size 2.5 mm²
Terminal width	6 mm
Max. load current I_{max}	24 A
Rated insulation voltage U_i between phase conductors	400 V
Rated insulation voltage U_i between phase and protective conductors and for neutral isolating distance	250 V
AWG	22 ... 12
Connection capacity, rigid	0.5 ... 4 mm²
Connection capacity, flexible with end sleeve	0.5 ... 4 mm²
Tightening torque	0.5 Nm
Standard	



Type	Color	
① L, L	Beige	8WA1011-3JF18
② PE, L, L	Beige	8WA1011-3JF16
② PE, L, N	Beige	8WA1011-3JF17
③ PE, L, NT	Beige	8WA1011-3JF20

Special accessories

Covers



Version	Article No.
For connection bars, transparent	8WA1822-7AX01
For connection bars, white	8WA1822-7AX03

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 mm²	32 A	8WA2867
	Up to 25 mm²	76 A	8WA2868
	Up to 35 mm²	125 A	8WA2870

N busbars, 6 × 6 mm



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

End retainers, thermoplastic



Width	Article No.
10 mm	8WA1808

Terminal strip labels for end retainers

Version	Article No.
Blank (WIN 67)	8WA8212-0AA65

Insulation carriers



Use	Article No.
For mounting insulated support rails	8WA1857

Labels, blank

Label size	Version	Article No.
5 × 7 mm (WIN 68)	Suitable for plotting	8WA8348-2AY

Connection bars



Version	Type	Article No.
For Insta terminals	For two terminals	8WA1822-7VF02
	For three terminals	8WA1822-7VF03
	For ten terminals	8WA1822-7VF10

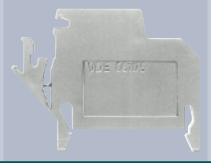
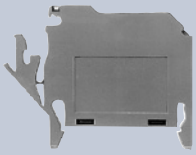
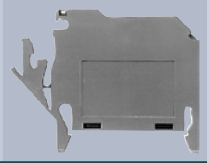
Barriers

Version	Color	Article No.
For Insta terminals	Gray	8WA1822-7TH00

See general accessories, from page 14/78 onwards

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N conductor isolating and branch terminals

	Terminal size			
	2.5 mm²	4 mm²	6 mm²	16 mm²
Terminal width	6 mm	6.5 mm	8 mm	10 mm
Max. load current I_{max}	24 A	32 A	41 A	76 A
Rated insulation voltage U_i	500 V	500 V	500 V	500 V
AWG	22 ... 12	18 ... 10	14 ... 8	12 ... 4
AWG	22 ... 12	18 ... 10	14 ... 8	–
Connection capacity, rigid	2.5 ... 4 mm²	0.5 ... 6 mm²	0.75 ... 10 mm²	1.5 ... 16 mm²
Connection capacity, flexible with end sleeve	0.5 ... 2.5 mm²	0.75 ... 4 mm²	0.5 ... 6 mm²	1.5 ... 16 mm²
Tightening torque	0.5 Nm	0.5 Nm	0.8 Nm	1.2 Nm
Standard	,	,	,	
				
Terminals	**Color**			
2	Blue	8WA1011-1NF01	8WA1011-1NG31	8WA1011-1NH01	8WA1604

Special accessories

Infeed terminals, for N busbars



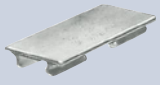
Size	Rated uninterrupted current	Article No.	Article No.	Article No.	Article No.
6 × 6 mm and 10 × 3 mm	32 A	8WA2867	8WA2867	–	–
	76 A	8WA2868	8WA2868	8WA2868	8WA2868
	125 A	8WA2870	8WA2870	8WA2870	8WA2870

N busbars, 6 × 6 mm, for four-field



Length	Rated uninterrupted current	Article No.	Article No.	Article No.	Article No.
1109 mm	125 A	8GF9324-2	8GF9324-2	8GF9324-2	8GF9324-2

Label holder



	Article No.	Article No.	Article No.	Article No.
	3TX4210-0J	3TX4210-0J	3TX4210-0J	3TX4210-0J

See general accessories, from page 14/78 onwards

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8WA1 screw terminals

Through-type terminals with sectionalizing feature



	Terminal size 2.5 mm²
Terminal width	6 mm
Max. load current I_{max}	10 A
Rated insulation voltage U_i for open isolating distance	380 V AC, 450 V DC
Rated insulation voltage U_i when using barriers	750 V AC, 900 V DC
Connection capacity, rigid	0.25 ... 4 mm²
Connection capacity, flexible without end sleeve	0.5 ... 2.5 mm²
Connection capacity, flexible with end sleeve	0.5 ... 1.5 mm²
Tightening torque	0.5 Nm
Standard	,



Terminals	Version	Color	
2	With 2 holes for Ø 2.3 mm test plug	Gray	8WA1501

Special accessories

Barriers



Color	Article No.
Gray	8WA1820

See general accessories, from page 14/78 onwards

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Measuring transformer terminals

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	Terminal size 6 mm²		
Terminal width	8 mm	8 mm	8 mm
Max. load current I_{max}	41 A	41 A	41 A
Rated insulation voltage U_i	500 V	500 V	500 V
AWG	14 ... 8	14 ... 8	14 ... 8
AWG	16 ... 10	16 ... 10	16 ... 10
Connection capacity, rigid	0.75 ... 10 mm²	0.75 ... 10 mm²	0.75 ... 10 mm²
Connection capacity, flexible with end sleeve	0.75 ... 10 mm²	0.75 ... 10 mm²	0.75 ... 10 mm²
Tightening torque	0.8 Nm	0.8 Nm	0.8 Nm
Standard	,	,	,
			
Test sockets	**Color**	**❶ Isolating terminal**	**❷ Instrument isolating terminal**	**❸ Through-type terminals with identical contour**
Without test socket	Beige	8WA1011-1MH11	–	8WA1011-1MH10
With test socket	Beige	–	8WA1011-1MH15	–

Special accessories

Covers, for connection bars



Type	Article No.
Transparent	8WA1822-7AX01
White, facility for labeling	8WA1822-7AX03

Test sockets



Diameter	Article No.
4 mm	8WA1822-7PH00

Disconnecting links



- Rated insulation voltage with disconnecting link open according to DIN VDE 0110: 125 V, size C or 250 V size B

Article No.
8WA1822-7VH01

Insulation plate



Article No.
8WA1825

Connecting comb



Number of poles	Article No.
2-pole	8WA1822-7VH22
10-pole, can be shortened as required	8WA7163

Connection bars



Type	Article No.
Two terminals	8WA1885
Three terminals	8WA1886
Four terminals	8WA1887
Ten terminals	8WA1888
Unmounted for ten terminals	8WA1822-7VH10

Barriers



Color	Article No.
Gray	8WA1822-7TH00

See general accessories, from page 14/78 onwards

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8WA1 screw terminals

Fuse terminals

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	Terminal size 1.5 mm²
Terminal width	10 mm
Max. load current I_{max} when using fuses	6.3 A
Max. load current I_{max} when using the isolating link	16 A
Rated insulation voltage U_i when using fuses	250 V
Rated insulation voltage U_i when using the isolating link	800 V
AWG	18 ... 14
AWG	18 ... 14
Connection capacity, rigid	1 ... 2.5 mm²
Connection capacity, flexible with end sleeve	0.75 ... 1.5 mm²
Tightening torque	0.8 Nm
Standard	,



Version	Color	
For 5 × 25 mm G fuse links		
① Without LED	Beige	8WA1011-1SF12
② With LED 24 V AC/DC	Beige	8WA1011-1SF13
② With LED 230 V AC/DC	Beige	8WA1011-1SF15
For 6.3 × 32 mm G fuse links (inch fuses)		
① Without LED	Beige	8WA1011-1SF30
② With LED 24 V AC/DC	Beige	8WA1011-1SF31
② With LED 120 V AC/110 V DC	Beige	8WA1011-1SF32

Special accessories

5 × 25 mm G fuse links



Type	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 × 25 mm



Size	Article No.
5 × 25 mm	8WH9021-0CB12

See general accessories, from page 14/78 onwards

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Terminals for self-fitting with components



	Terminal size 1.5 mm²
Terminal width	10 mm
Max. load current I_{max}	6.3 A
Rated insulation voltage U_i	500 V
Connection capacity, rigid	1 ... 2.5 mm²
Connection capacity, flexible with end sleeve	0.75 ... 1.5 mm²
Tightening torque	0.8 Nm



Terminals	Color	
Screw terminal at both ends for 2 conductors each	Gray	8WA1011-1EE00

Special accessories

Plugs for components



Version	Article No.
With PCB and inscription label (20 × 9 mm)	8WA1822-7EE00

See general accessories, from page 14/78 onwards

Diode terminals



	Terminal size 2.5 mm²
Terminal width	6 mm
Max. load current I_{max}	1 A
Rated insulation voltage U_{RRM}	250 V
Peak blocking voltage	1000 V
Connection capacity, rigid	0.5 ... 4 mm²
Connection capacity, flexible without end sleeve	0.5 ... 2.5 mm²
Connection capacity, flexible with end sleeve	0.5 ... 1.5 mm²
Tightening torque	0.5 Nm



Terminals	Version	Color	
2	With 2 holes for Ø 2.3 mm test plug	Gray	8WA1011-1EF20

Special accessories

Barriers



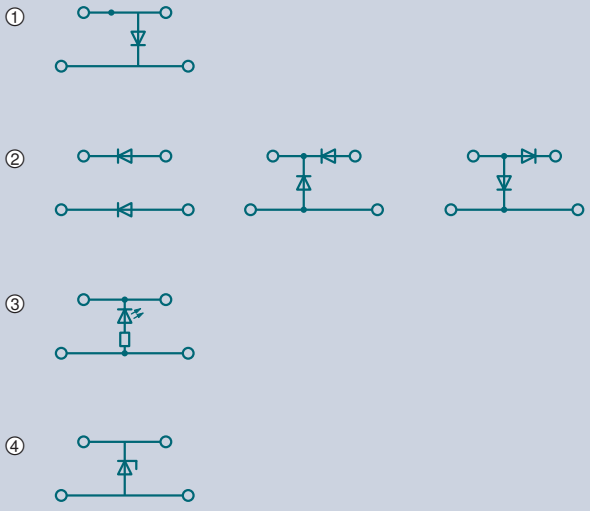
Color	Article No.
Gray	8WA1820

See general accessories, from page 14/78 onwards

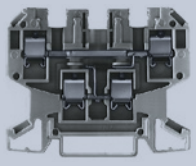
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8WA1 screw terminals

Two-tier diode terminals



	Terminal size 4 mm²
Terminal width	6.5 mm
Max. load current I_{max}	1 A
Rated insulation voltage U_i	250 V
Let-through current	–
Avalanche voltage U_Z	–
AWG	18 ... 10
Connection capacity, rigid	0.5 ... 6 mm²
Connection capacity, flexible without end sleeve	0.5 ... 4 mm²
Connection capacity, flexible with end sleeve	0.5 ... 4 mm²
Tightening torque	0.5 Nm
Standard	



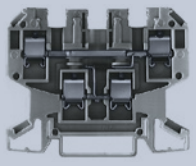
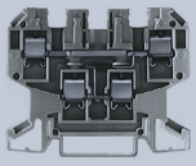
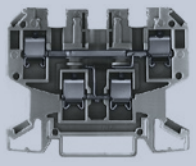
Type	Bridging	Color	
❶ With one diode			
Let-through from top to bottom	Not possible	Gray	–
❷ With two diodes			
Let-through from top right to top left and from bottom right to bottom left	Not possible	Gray	8WA1011-6EG22
Let-through from top right to top left and from bottom to top	Not possible	Gray	–
Let-through from top left to top right and from top to bottom	Not possible	Gray	–
❸ With red LED			
Without diode for voltage limitation		Gray	–
❹ With Zener diode			
Let-through from bottom to top		Gray	–

Special accessories

End plates		
Color		Article No.
Gray		8WA1817

See general accessories, from page 14/78 onwards

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6.5 mm	6.5 mm	6.5 mm
32/1 A	32 A	–
250 V	24 V DC	–
–	–	0.25 A
–	–	2.4 V, ±5%
18 ... 10	18 ... 10	18 ... 10
0.5 ... 6 mm^2	0.5 ... 6 mm^2	0.5 ... 6 mm^2
0.5 ... 4 mm^2	0.5 ... 4 mm^2	0.5 ... 4 mm^2
0.5 ... 4 mm^2	0.5 ... 4 mm^2	0.5 ... 4 mm^2
0.5 Nm	0.5 Nm	0.5 Nm
		
8WA1011-6EG20	–	–
–	–	–
8WA1011-6EG23	–	–
8WA1011-6EG24	–	–
–	8WA1011-6EG25	–
–	–	8WA1011-6EG44

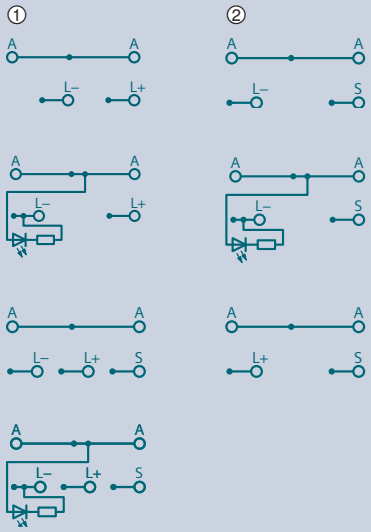
Article No.	Article No.	Article No.
8WA1817	8WA1817	8WA1817

14

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8WA2 spring-loaded terminals

Initiator/actuator terminals



	Terminal size 1.5 mm²
Terminal width	5 mm
Max. load current I_{max}	10 A
Max. operational voltage U_{max}	65 V
Current consumption with LED	4.8 mA
AWG	22 ... 16
AWG	28 ... 16
Connection capacity, rigid	0.08 ... 1.5 mm²
Connection capacity, flexible with end sleeve	0.2 ... 1.5 mm²
Standard	,



Version	Conductors [1]	LED	Color	
❶ Initiator terminal				
PNP	L+, L–, A	–	Light gray	8WA2011-3KE10
		Yellow, 15 ... 30 V DC	Light gray	8WA2011-3KE12
	L+, L–, S, A	–	Light gray	8WA2011-3KE11
		Yellow, 15 ... 30 V DC	Light gray	8WA2011-3KE13
❷ Actuator terminal				
PNP	L–, S, A	–	Light gray	8WA2011-3KE31
		Yellow, 15 ... 30 V DC	Light gray	8WA2011-3KE33

[1] L+ = brown, L– = blue, S (shield) = green, A (output) not colored

Special accessories

Connection module



Version	Width	Height	Color	Article No.
For 8 initiator/actuator terminals and one infeed terminal	47 mm	65 mm	Black	8WA2011-3KE50
For 16 initiator/actuator terminals, one infeed terminal and space for one terminal for further bridging for subsequent module	93 mm	65 mm	Black	8WA2011-3KE51

See general accessories, from page 14/78 onwards

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Infeed terminals for initiator/actuator terminals

① L+ L–

② S L+ L–

	Terminal size 1.5 mm²
Terminal width	5 mm
Max. load current I_{max}	10 A
Max. operational voltage U_{max}	65 V
Current consumption with LED	4.8 mA
AWG	22 ... 16
AWG	28 ... 16
Connection capacity, rigid	0.08 ... 1.5 mm²
Connection capacity, flexible with end sleeve	0.2 ... 1.5 mm²
Standard	,



Version	Conductors [1]	LED	Color	
Infeed terminal				
PNP	① L+, L–	–	Orange	8WA2011-3KE01
	② L+, L–, S	–	Orange	8WA2011-3KE00
		Green, 15 ... 30 V DC	Orange	8WA2011-3KE02
NPN	② L+, L–, S	–	Orange	8WA2011-3KE00
	① L+, L–, without ground connection	–	Orange	8WA2011-3KE01

[1] L+ = brown, L– = blue, S (shield) = green, A (output) connection not colored

Special accessories

Connection module



Version	Width	Height	Color	Article No.
For 8 initiator/actuator terminals and one infeed terminal	47 mm	65 mm	Black	8WA2011-3KE50
For 16 initiator/actuator terminals, one infeed terminal and space for one terminal for further bridging for subsequent module	93 mm	65 mm	Black	8WA2011-3KE51

See general accessories, from page 14/78 onwards

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Accessories for 8WA terminal blocks

Individual labeling system

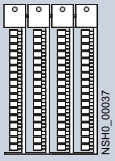
Labeling systems for
- Terminal blocks
- Modular installation devices
- Circuit breakers
- Switch disconnectors

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

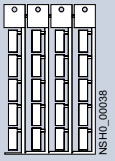
Blank labels



- For 8WA1 and 8WA2, individually removable
- Cannot be used for two-tier terminals (lower tier), 8WA1010-1PQ00 flat terminals and 8WA1808 end retainers

Version	Designation	Color	Article No.
5 × 7 mm	WIN 68	White	8WA8850-2AY
5 × 10 mm	WIN 68	White	8WA8851-2AY

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
		Turquoise	8WH8210-0AA56

Adhesive device labels

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

Type	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

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Standard labeling system

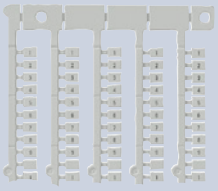
Labels, blank (WIN 68)

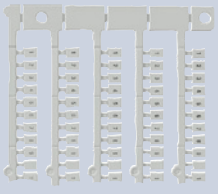


Text alignment	Label size	Article No.
Vertical	5 × 7 mm	8WA8348-2AY
Horizontal and vertical	5 × 10 mm	8WA8310-2AY

Labels, with inscription

- Label size 5 × 7 mm, font height 2 mm





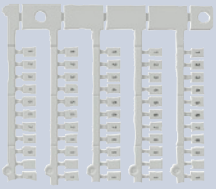
Text alignment	Inscription	Scope of supply	Article No.
Horizontal	1 ... 5	3 cards each with 13× (1 ... 5) + 1× (1 ... 3)	8WA8360-0BA
	6 ... 10	3 cards each with 13× (6 ... 10) + 1× (6 ... 8)	8WA8360-0BB
	11 ... 15	3 cards each with 13× (11 ... 15) + 1× (11 ... 13)	8WA8360-0BC
	16 ... 20	3 cards each with 13× (16 ... 20) + 1× (16 ... 18)	8WA8360-0BD
	21 ... 25	3 cards each with 13× (21 ... 25) + 1× (21 ... 23)	8WA8360-0BE
	26 ... 30	3 cards each with 13× (26 ... 30) + 1× (26 ... 28)	8WA8360-0BF
	31 ... 35	3 cards each with 13× (31 ... 35) + 1× (31 ... 33)	8WA8360-0BG
	36 ... 40	3 cards each with 13× (36 ... 40) + 1× (36 ... 38)	8WA8360-0BH
	41 ... 45	3 cards each with 13× (41 ... 45) + 1× (41 ... 43)	8WA8360-0BJ
	46 ... 50	3 cards each with 13× (46 ... 50) + 1× (46 ... 48)	8WA8360-0BK
	56 ... 60	3 cards each with 13× (56 ... 60) + 1× (56 ... 58)	8WA8360-0BM
	61 ... 65	3 cards each with 13× (61 ... 65) + 1× (61 ... 63)	8WA8360-0BN
	71 ... 75	3 cards each with 13× (71 ... 75) + 1× (71 ... 73)	8WA8360-0BQ
	76 ... 80	3 cards each with 13× (76 ... 80) + 1× (76 ... 78)	8WA8360-0BR
	81 ... 85	3 cards each with 13× (81 ... 85) + 1× (81 ... 83)	8WA8360-0BS
	91 ... 95	3 cards each with 13× (91 ... 95) + 1× (91 ... 93)	8WA8360-0BU
	96 ... 100	3 cards each with 13× (96 ... 100) + 1× (96 ... 98)	8WA8360-0BV
	1 ... 20	3 cards each with 3× (1 ... 20) + 1× (1 ... 8)	8WA8360-0AB
	1 ... 40	3 cards each with 1× (1 ... 40) + 1× (1 ... 28)	8WA8360-0AC
	41 ... 100	3 cards each with 1× (41 ... 100) + 1× (41 ... 48)	8WA8360-0AD
	1 ... 100	3 cards each with 2× (1 ... 100) + 1× (1 ... 4)	8WA8360-0AE
	101 ... 200	3 cards each with 2× (101 ... 200) + 1× (101 ... 104)	8WA8360-0AF
	201 ... 300	3 cards each with 2× (201 ... 300) + 1× (201 ... 204)	8WA8360-0AG
	A ... T	3 cards each with 3× (A ... T) + 1× (A ... H)	8WA8360-1AA
	U, V, W, X, Y, Z, +, –	3 cards each with 8× (U ... –) + 1× (U ... X)	8WA8360-1AB
	L1, L2, L3, N, PE	3 cards each with 9× (L1 ... PE) + 1× (L1 ... L3)	8WA8360-1AC
	U1, V1, W1, U2, V2, W2	3 cards each with 11× (U1 ... W2) + 1× (U1, V1)	8WA8360-1AD
Vertical	1 ... 5	3 cards each with 13× (1 ... 5) + 1× (1 ... 3)	8WA8361-0BA
	6 ... 10	3 cards each with 13× (6 ... 10) + 1× (6 ... 8)	8WA8361-0BB
	11 ... 15	3 cards each with 13× (11 ... 15) + 1× (11 ... 13)	8WA8361-0BC
	16 ... 20	3 cards each with 13× (16 ... 20) + 1× (16 ... 18)	8WA8361-0BD
	21 ... 25	3 cards each with 13× (21 ... 25) + 1× (21 ... 23)	8WA8361-0BE
	26 ... 30	3 cards each with 13× (26 ... 30) + 1× (26 ... 28)	8WA8361-0BF
	31 ... 35	3 cards each with 13× (31 ... 35) + 1× (31 ... 33)	8WA8361-0BG
	36 ... 40	3 cards each with 13× (36 ... 40) + 1× (36 ... 38)	8WA8361-0BH
	41 ... 45	3 cards each with 13× (41 ... 45) + 1× (41 ... 43)	8WA8361-0BJ
	46 ... 50	3 cards each with 13× (46 ... 50) + 1× (46 ... 48)	8WA8361-0BK
	51 ... 55	3 cards each with 13× (51 ... 55) + 1× (51 ... 53)	8WA8361-0BL
	56 ... 60	3 cards each with 13× (56 ... 60) + 1× (56 ... 58)	8WA8361-0BM
	61 ... 65	3 cards each with 13× (61 ... 65) + 1× (61 ... 63)	8WA8361-0BN
	66 ... 70	3 cards each with 13× (66 ... 70) + 1× (66 ... 68)	8WA8361-0BP
	71 ... 75	3 cards each with 13× (71 ... 75) + 1× (71 ... 73)	8WA8361-0BQ
	76 ... 80	3 cards each with 13× (76 ... 80) + 1× (76 ... 78)	8WA8361-0BR
	81 ... 85	3 cards each with 13× (81 ... 85) + 1× (81 ... 83)	8WA8361-0BS
	86 ... 90	3 cards each with 13× (86 ... 90) + 1× (86 ... 88)	8WA8361-0BT
	91 ... 95	3 cards each with 13× (91 ... 95) + 1× (91 ... 93)	8WA8361-0BU
	96 ... 100	3 cards each with 13× (96 ... 100) + 1× (96 ... 98)	8WA8361-0BV

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Accessories for 8WA terminal blocks

Standard labeling system

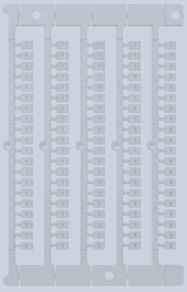
Labels, with inscription (continued)

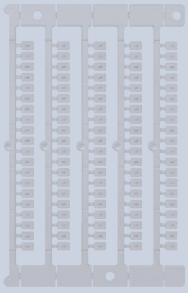


- Label size 5 × 7 mm, font height 2 mm

Text alignment	Inscription	Scope of supply	Article No.
Vertical	1 ... 20	3 cards each with 3× (1 ... 20) + 1× (1 ... 8)	8WA8361-0AB
	1 ... 40	3 cards each with 1× (1 ... 40) + 1× (1 ... 28)	8WA8361-0AC
	41 ... 100	3 cards each with 1× (41 ... 100) + 1× (41 ... 48)	8WA8361-0AD
	1 ... 100	3 cards each with 2× (1 ... 100) + 1× (1 ... 4)	8WA8361-0AE
	101 ... 200	3 cards each with 2× (101 ... 200) + 1× (101 ... 104)	8WA8361-0AF
	201 ... 300	3 cards each with 2× (201 ... 300) + 1× (201 ... 204)	8WA8361-0AG
	A ... T	3 cards each with 3× (A ... T) + 1× (A ... H)	8WA8361-1AA
	U, V, W, X, Y, Z, +, –	3 cards each with 8× (U ... –) + 1× (U ... X)	8WA8361-1AB
	L1, L2, L3, N, PE	3 cards each with 9× (L1 ... PE) + 1× (L1 ... L3)	8WA8361-1AC
	U1, V1, W1, U2, V2, W2	3 cards each with 11× (U1 ... W2) + 1× (U1, V1)	8WA8361-1AD

Labels, type 347/348, with inscription





- Label size 5 × 7 mm, font height 2 mm

Text alignment	Inscription	Article No.
Horizontal	L1	8WA8347-2AC
	L2	8WA8347-2AD
	L3	8WA8347-2AE
	N	8WA8347-1AR
	PE	8WA8347-2AH
	L+	8WA8347-2AF
	L–	8WA8347-2AG
Vertical	L1	8WA8348-2AC
	L2	8WA8348-2AD
	L3	8WA8348-2AE
	N	8WA8348-1AR
	MP	8WA8348-2AB
	PE	8WA8348-2AH
	L+	8WA8348-2AF
	L–	8WA8348-2AG
	X	8WA8348-1AG
	Y	8WA8348-1AH

Labels, custom inscriptions

- Label size 5 × 7 mm, font height 2 mm
- Specify required inscription in plain text
- Can only be ordered with the order code -Z Y01

Text alignment	Article No.
Horizontal	8WA8347-0XA-Z Y01
Vertical	8WA8348-0XA-Z Y01

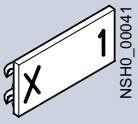
End labeling plates



- Paper label, inscription possible, with transparent cover
- Suitable for 8WA1805, 8WA1808 and 8WA2808 end retainers

Text alignment	Label size	Article No.
Horizontal and vertical	21 × 42 mm	8WA1806

Terminal strip labels



- Paper label, inscription possible, with transparent cover
- Suitable for 8WA1808 end retainers

Text alignment	Type	Article No.
Horizontal	With inscription	8WA8826-0AA
		8WA8826-0AB
		8WA8826-0AC
	Blank (WIN 67)	8WA8212-0AA65

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Mounting accessories

End retainers, with screw fixing



- Suitable for 8WA1806 end labeling plate or 8WA8826-0A. terminal strip identification label or 3TX4 210-0H device label or four 8WA88 labels

Modular width	Article No.
10 mm	8WA1808

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)

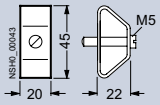
Modular width	Article No.
10.3 mm	8WA1805

DIN rails



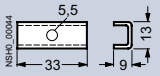
Version	Material	Standard	Length	Thickness	Article No.
Perforated	Steel, sendzimir-galvanized	EN 60715-35 × 7,5	2 m	1 mm	5ST1145
Non-perforated	Steel, sendzimir-galvanized	EN 60715-35 × 7,5	2 m	1 mm	5ST1141
	Copper	EN 60715-35 × 15	2 m	2.3 mm	8WA7551
	Steel, galvanized, chromated	Similar to EN 50022-35 × 15	2 m	1.5 mm	5ST1142

Spacer brackets



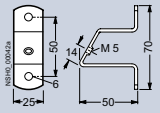
Version	Article No.
For raised mounting of terminal strips	8WA753

Spacers



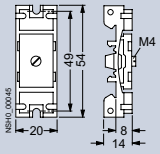
Version	Drill hole	Article No.
For raised mounting of terminal strips	5.5 mm	8WA752

Mounting brackets



Version	Article No.
For support rails	8WA746

Insulation carriers



Version	Article No.
For insulated mounting of support rails onto plates, frame profiles and DIN rails EN 50022-35	8WA1857

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Appendix



Conditions of sale and delivery A/2

Link directory A/4

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Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase products (hardware, software and services) described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as „T&C"). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. 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 description text, 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 License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany"[1)] and/or
- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen der Division DF – Deutschland" (available only in German) and/or
- for other services, the „Supplementary Terms and Conditions for Services ("BL")[1)] and/or
- for other supplies the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1)].
  In case such supplies 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)], a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. 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 of the Division DF for Customers with a Seat or Registered Office Outside of Germany"[1)] and/or
- for other services the „International Terms & Conditions for Services"[1)] supplemented by „Software Licensing Conditions"[1)] and/or
- for other supplies of hard- and software 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 our supplies and/or services 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

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3. Export Regulations

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

Export may be subject to license. We shall indicate in the delivery details whether licenses are required under German, European and US export lists.

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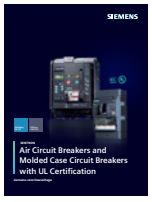
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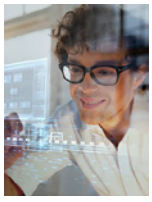
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