

SIEMENS

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Low-Voltage Power Distribution and Electrical Installation Technology

Terminal Blocks

Catalog
Extract
LV 10

Edition
10/2020

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Catalog LV 10 · 10/2020

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

Technical data

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

All illustrations are not binding.

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Low-Voltage Power Distribution and Electrical Installation Technology

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A

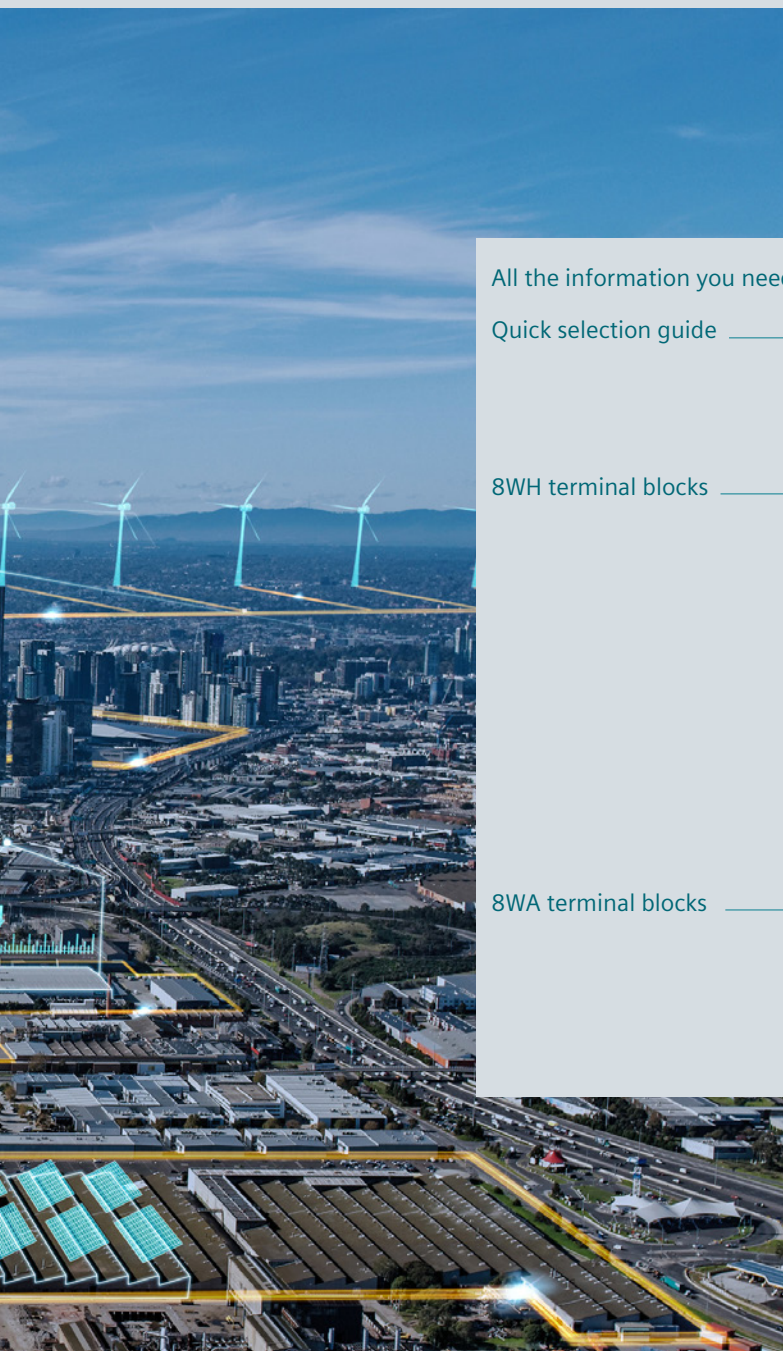
Always the right connection

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

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



Terminal Blocks



All the information you need	14/2
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A multitude of additional information ...

Information + ordering

All the important things at a glance

Information to get you started

For information about terminal blocks, please visit our website

www.siemens.com/distribution-components

Contact persons in your region

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You can find your local contacts at

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Your product in detail

The relevant tender specifications can be found at

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

Our video range

Siemens YouTube channel

- Siemens ALPHA FIX terminal blocks – 8WH3 insulation displacement terminals (IDC)
bit.ly/2Y3JCVq
- 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 No. in the catalog or by entering this web address incl. Article No.

www.siemens.com/product?Article No.

... can be found in our online services

Commissioning + operation

Your product in detail

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- Operating instructions
- Certificates

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Technical overview – Terminal blocks



The fast way to get you to our online services

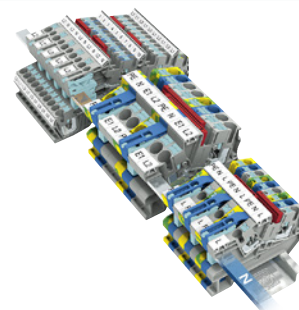
This page provides you with comprehensive information and links on terminal blocks

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

8WH terminal blocks

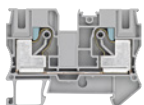


8WH6
iPo plug-in terminals



8WH6
iPo installation
terminals

Through-type terminals



Through-type terminals

Two-tier terminals

Three-tier terminals

Four-tier motor terminals

2.5 ... 150 mm² [See page 14/8](#)

2.5 ... 4 mm² [See page 14/11](#)

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Isolating terminals



Isolating and isolating blade terminals

Two-tier isolating terminals

N conductor isolating terminals

Measuring transformer isolating terminals

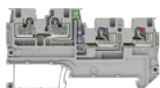
2.5 ... 4 mm² [See page 14/12](#)

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Initiator/actuator terminals



Initiator terminals

Actuator terminals

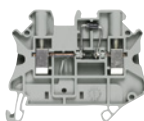
Feeder terminals

1.5 mm² [See page 14/16](#)

1.5 mm² [See page 14/16](#)

2.5 mm² [See page 14/15](#)

Function terminals



Fuse terminals

Three-tier terminals

Three-tier isolating terminals

Diode terminals

Two-tier diode terminals

Shield terminals

4 mm² [See page 14/14](#)

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Further information

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2.5 ... 35 mm² [See page 14/18](#)

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2.5 ... 35 mm² [See page 14/20](#)

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2.5 mm² [See page 14/22](#)

2.5 mm² [See page 14/23](#)

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8WH2
spring-loaded
terminals

1.5 ... 35 mm² See page 14/24

1.5 ... 4 mm² See page 14/27

2.5 mm² See page 14/28

2.5 ... 4 mm² See page 14/29

2.5 ... 4 mm² See page 14/30

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4 mm² See page 14/32

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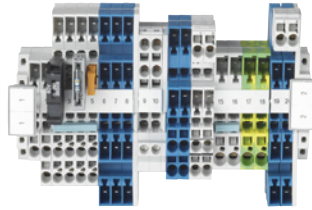
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2.5 mm² See page 14/34

2.5 mm² See page 14/34

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From page 14/24



8WH5
combination
plug-in terminals

2.5 mm² See page 14/36

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8WH3
insulation displacement
terminals

1.5 ... 2.5 mm² See page 14/40

1.5 mm² See page 14/40

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1.5 ... 2.5 mm² See page 14/40

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8WH1
screw terminals

2.5 ... 240 mm² See page 14/44

2.5 ... 4 mm² See page 14/47

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4 ... 6 mm² See page 14/48

4 mm² See page 14/50

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6 mm² See page 14/51

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4 ... 6 mm² See page 14/52

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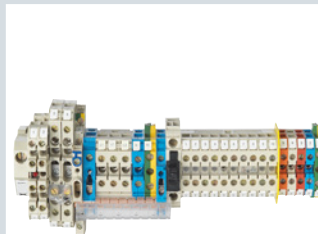
4 mm² See page 14/54

2.5 mm² See page 14/55

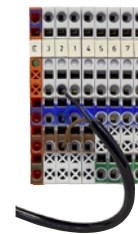
Diameter
2 ... 35 mm See page 14/56

From page 14/44

8WA terminal blocks

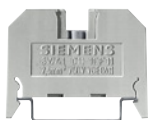


8WA1
screw terminals



8WA2
spring-loaded
terminals

Through-type terminals



Through-type terminals

Two-tier terminals

Three-tier terminals

Four-tier motor terminals

2.5 ... 95 mm² [See page 14/62](#)

4 mm² [See page 14/67](#)

2.5 mm² [See page 14/68](#)

–

Isolating terminals



Isolating and isolating blade terminals

Two-tier isolating terminals

N conductor isolating terminals

Measuring transformer terminals

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2.5 ... 16 mm² [See page 14/69](#)

6 mm² [See page 14/71](#)

Initiator/actuator terminals



Initiator terminals

Actuator terminals

Feeder terminals

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Function terminals



Fuse terminals

Three-tier terminals

Three-tier isolating terminals

Diode terminals

Two-tier diode terminals

Shield terminals

1.5 mm² [See page 14/72](#)

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2.5 mm² [See page 14/73](#)

4 mm² [See page 14/74](#)

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Further information

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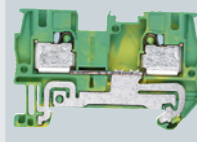
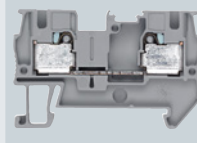
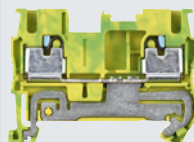
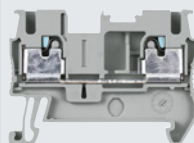
[From page 14/76](#)

8WH6 iPo plug-in terminals

Through-type terminals



	Terminal size	Terminal width	Operational current $I_{\max}$	Operational voltage $U_{\max}$	AWG	Connection capacity, one rigid conductor	Connection capacity, one flexible conductor with end sleeve	Standard
	2.5 mm ²	5.2 mm	30 A	800 V	26 ... 12	0.14 ... 4 mm ²	0.14 ... 2.5 mm ²	IEC 60947-7-1, IEC 60947-7-2, cULus
	4 mm ²	6.2 mm	38 A	800 V	24 ... 10	0.2 ... 6 mm ²	0.2 ... 4 mm ²	IEC 60947-7-1, IEC 60947-7-2, cULus

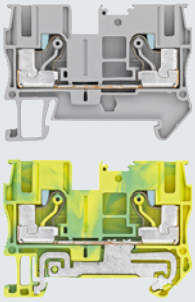
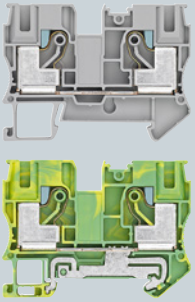
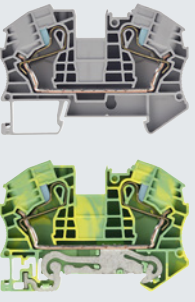
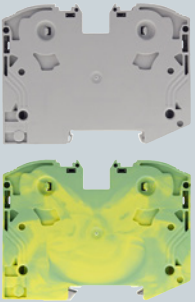


Terminals		Color		
① Through-type terminals				
2		Gray	8WH6000-0AF00	8WH6000-0AG00
		Blue	8WH6000-0AF01	8WH6000-0AG01
3		Gray	8WH6003-0AF00	8WH6003-0AG00
		Blue	8WH6003-0AF01	8WH6003-0AG01
4		Gray	8WH6004-0AF00	8WH6004-0AG00
		Blue	8WH6004-0AF01	8WH6004-0AG01
② PE through-type terminals				
2		Green-yellow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

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
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		—

See general accessories, page 14/57 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²
8.2 mm	10.2 mm	12.2 mm	16 mm
41 A	57 A	90 A	125 A
1000 V	1000 V	1000 V	1000 V
20 ... 8	20 ... 6	20 ... 4	10 ... 2
0.5 ... 10 mm ²	0.5 ... 16 mm ²	0.5 ... 25 mm ²	6 ... 35 mm ²
0.5 ... 6 mm ²	0.5 ... 10 mm ²	0.5 ... 16 mm ²	6 ... 35 mm ²
IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, UL, CE	IEC 60947-7-1, IEC 60947-7-2, UL, CE
			
8WH6000-0AH00	8WH6000-0AJ00	8WH6000-0AK00	8WH6000-0AM00
8WH6000-0AH01	8WH6000-0AJ01	8WH6000-0AK01	8WH6000-0AM01
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
8WH6000-0CH07	8WH6000-0CJ07	8WH6000-0CK07	8WH6000-0CM07
–	–	–	–
–	–	–	–

Article No.	Article No.	Article No.	Article No.
8WH9004-3SA00	8WH9005-1SA00	8WH9006-1SA00	–
–	–	–	–
–	–	–	–
Article No.	Article No.	Article No.	Article No.
–	–	–	–
–	–	–	–
–	–	–	–
Article No.	Article No.	Article No.	Article No.
–	–	–	–

8WH6 iPo plug-in terminals

Through-type terminals for high-current applications



	Terminal size		
	50 mm ²	95 mm ²	150 mm ²
Terminal width	20 mm	25 mm	31 mm
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 kcmil
Connection capacity, rigid	10 ... 70 mm ²	25 ... 95 mm ²	95 ... 150 mm ²
Connection capacity, flexible with end sleeve	10 ... 50 mm ²	25 ... 95 mm ²	95 ... 150 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1, IEC 60947-7-2,	IEC 60947-7-1,

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

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

See general accessories, page 14/57 onwards

Two-tier terminals



Connection capacity, one rigid conductor
Connection capacity, one flexible conductor
with end sleeve

Terminal width

Operational current $I_{\max}$

Operational voltage $U_{\max}$

AWG

Standard

Terminal size

2.5 mm²

4 mm²

5.2 mm

6.2 mm

26 A

32 A

500 V

500 V

26 ... 12

24 ... 10

0.14 ... 4 mm²

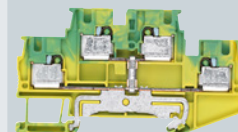
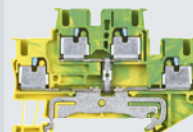
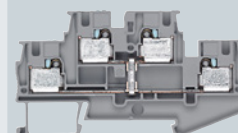
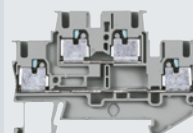
0.2 ... 6 mm²

0.14 ... 2.5 mm²

0.2 ... 4 mm²

IEC 60947-7-1, IEC 60947-7-2,
cULUS

IEC 60947-7-1, IEC 60947-7-2,
cULUS



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

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

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



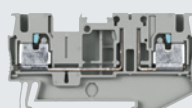
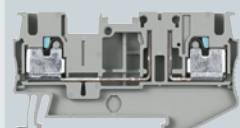
Terminals	Color	Thickness	Article No.	Article No.
4	● Gray	2 mm	8WH9070-0BA00	8WH9070-0BA00

See general accessories, page 14/57 onwards

8WH6 iPo plug-in terminals

Isolating terminals



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

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

Special accessories

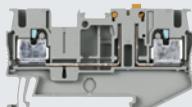
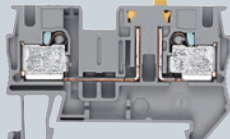
Covers						
	Terminals	Color	Width		Article No.	Article No.
	2	 Gray	2.2 mm		8WH9000-3SC00	8WH9003-1GA00
	3	 Gray	2.2 mm		8WH9000-3SD00	–
	4	 Gray	2.2 mm		8WH9000-5GA00	–
Compartment partitions						
	Terminals	Color	Width		Article No.	Article No.
	2	 Gray	2.2 mm		8WH9070-0AA00	8WH9070-0AA00
	3	 Gray	2.2 mm		8WH9070-0GA00	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
				110 ... 250 V, 0.5 ... 2.5 mA	8WH9040-3CB08	8WH9040-3CB08
				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, page 14/57 onwards

Isolating blade terminals



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

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

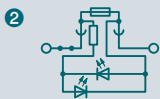
Special accessories

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	Thickness	Article No.	Article No.
	2	 Gray	2 mm	8WH9070-0AA00	8WH9070-0AA00

See general accessories, page 14/57 onwards

8WH6 iPo plug-in terminals

Fuse terminals



	Terminal size
	4 mm ²
Terminal width	6.2 mm
Operational current I _{max}	6.3 A
Operational voltage U _{max}	500 V
AWG	24 ... 10
Connection capacity, one rigid conductor	0.2 ... 4 mm ²
Connection capacity, one flexible conductor with end sleeve	0.2 ... 4 mm ²
Standard	UL, CE

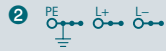
LED	Color	
Fuse terminals for 5 × 20 mm G fuse links		
1 Without	● Black	8WH6000-1GG08
2 10 ... 30 V AC/DC	● Black	8WH6000-1KG38
2 110 ... 250 V AC/DC	● Black	8WH6000-1MG88

Special accessories

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

See general accessories, page 14/57 onwards

Feeder terminals for initiator/actuator terminals



Connection capacity, flexible with end sleeve, with plastic sleeve
 Connection capacity, flexible with end sleeve, without plastic sleeve
 Standard

Terminal size
2.5 mm²

Terminal width 7 mm

Operational current $I_{\max}$ 20 A

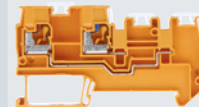
Operational voltage $U_{\max}$ 250 V

AWG 24 ... 12

0.14 ... 1.0 mm²

0.14 ... 1.5 mm²

IEC 60947-7-1



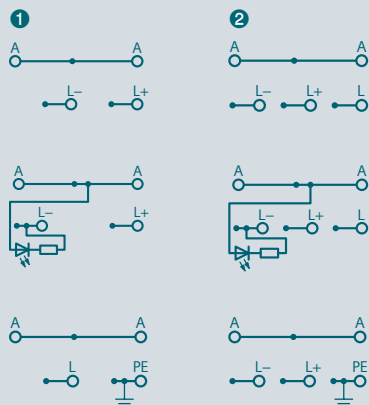
Conductors ¹⁾	Color	
① 3-wire, L+, L-	Orange	8WH6003-0DF04
② 4-wire, L+, L-, PE	Orange	8WH6004-0HE04

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

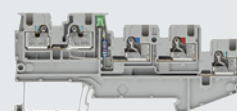
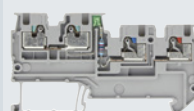
See general accessories, [page 14/57 onwards](#)

8WH6 iPo plug-in terminals

Initiator/actuator terminals



	Terminal size	
	1.5 mm ²	
Terminal width	3.5 mm	3.5 mm
Operational current $I_{\max}$	13.5 A	10 A
Operational voltage $U_{\max}$	250 V	65 V
AWG	26 ... 14	26 ... 14
Connection capacity, flexible with end sleeve, with plastic sleeve	0.14 ... 1.0 mm ²	0.14 ... 1.0 mm ²
Connection capacity, flexible with end sleeve, without plastic sleeve	0.14 ... 1.5 mm ²	0.14 ... 1.5 mm ²
Standard	IEC 60947-7-1	IEC 60947-7-1



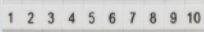
Conductors ¹⁾	LED	Color		
① Initiator terminal				
3-wire, L+, L-, A	–	 Gray	8WH6003-ODE00	–
3-wire, L+, L-, A	Green, 24 V (15 ... 30 V DC)	 Gray	8WH6003-0FE00	–
3-wire, L, A, PE	–	 Gray	8WH6003-0HE00	–
② Actuator terminal				
4-wire, L+, L-, L, A	–	 Gray	–	8WH6004-ODE00
4-wire, L+, L-, L, A	Green, 24 V (15 ... 30 V DC)	 Gray	–	8WH6004-0FE00
4-wire, L+, L-, PE, A	–	 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

General accessories for 8WH6 initiator/actuator terminals

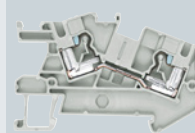
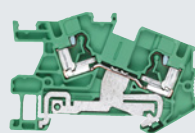
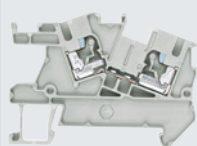
Connecting combs							
	Number of poles		Load current		Color	Article No.	
	2-pole	17.5 A		Red	8WH9020-6JC02		
				Blue	8WH9020-6JC01		
				Gray	8WH9020-6JC00		
	3-pole	17.5 A		Red	8WH9020-6JD02		
				Blue	8WH9020-6JD01		
				Gray	8WH9020-6JD00		
	4-pole	17.5 A		Red	8WH9020-6JE02		
				Blue	8WH9020-6JE01		
				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 mm ²							
	Variant		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 mm ²							
	Variant		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	
		51 ... 60 (10×)		White	8WH8121-0AB55		
	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						
	Variant		Terminal width	Standard	Color	Article No.	
	Front, blank		3.5 mm	WIN 486		White	8WH8112-0AA05
	Flat, blank		3.5 mm	WIN 416		White	8WH8113-0AA05

8WH6 iPo installation terminals

Through-type terminals



	Terminal size			
	2.5 mm ²		4 mm ²	
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	43 mm	43 mm	46.3 mm	46.3 mm
Max. load current I_{max}	24 A	–	32 A	–
Rated voltage U_n	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 mm ²	0.2 ... 4 mm ²	0.2 ... 6 mm ²	0.2 ... 6 mm ²
Connection capacity, two rigid conductors	–	–	–	–
Connection capacity, flexible with end sleeve	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
Connection capacity, flexible without end sleeve	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
Tightening torque	–	–	–	–
Standard	IEC 60947-7-1	IEC 60947-7-2	IEC 60947-7-1	IEC 60947-7-2



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

Special accessories

Covers



Color	Width	Article No.	Article No.
Gray	2 mm	8WH9000-1WA00	8WH9003-7WA00

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



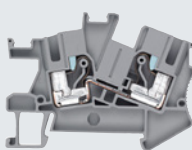
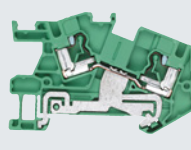
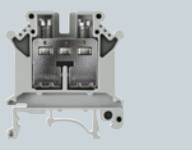
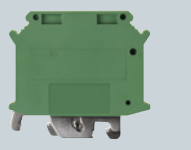
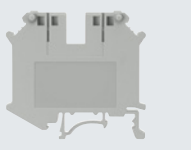
Color	Article No.	Article No.
Gray	–	–

Insulation plate



Color	Article No.	Article No.
Gray	–	–

See general accessories, page 14/57 onwards

6 mm ²		16 mm ²		35 mm ²	
8.2 mm	8.2 mm	12.2 mm	12.2 mm	16 mm	16 mm
66 mm	66 mm	42.5 mm	42.5 mm	55 mm	55 mm
50 mm	50 mm	47 mm	47 mm	51 mm	51 mm
41 A	–	101 A	101 A	125 A	125 A
800 V	–	400 V	–	800 V	–
–	–	6 kV	6 kV	8 kV	8 kV
20 ... 8	20 ... 8	22 ... 4	22 ... 4	18 ... 2	18 ... 2
0.5 ... 10 mm ²	0.5 ... 10 mm ²	1.5 ... 16 mm ²	1.5 ... 16 mm ²	0.75 ... 35 mm ²	0.75 ... 35 mm ²
–	–	1.5 ... 6 mm ²	1.5 ... 6 mm ²	0.75 ... 10 mm ²	0.75 ... 10 mm ²
0.5 ... 6 mm ²	0.5 ... 6 mm ²	1.5 ... 4 mm ²	1.5 ... 4 mm ²	0.75 ... 10 mm ²	0.75 ... 10 mm ²
0.5 ... 6 mm ²	0.5 ... 6 mm ²	–	–	–	–
–	–	1.5 ... 1.8 Nm	1.5 ... 1.8 Nm	3.2 ... 3.7 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1	IEC 60947-7-2	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	 , 	 , 
					
iPo plug-in technology		Screw terminals		Screw terminals	
8WH6001-0AH00	–	8WH1001-0AK00	–	8WH1001-0AM00	–
8WH6001-0AH01	–	8WH1001-0AK01	–	8WH1001-0AM01	–
–	8WH6001-0CH07	–	8WH1001-0CK07	–	8WH1001-0CM07

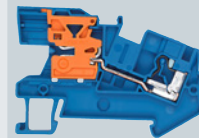
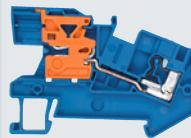
Article No.	Article No.	Article No.
8WH9004-1WA00	8WH9005-3PA00	–
Article No.	Article No.	Article No.
8WH9143-0AH01	–	–
Article No.	Article No.	Article No.
–	–	8WH9030-6BC00
–	–	8WH9030-6BD00
–	8WH9030-6AL00	–
Article No.	Article No.	Article No.
–	8WH9070-6HA00	–
Article No.	Article No.	Article No.
–	8WH9070-6GA00	8WH9070-6GA00

8WH6 iPo installation terminals

N conductor isolating terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Terminal length	59 mm	66 mm
Terminal height	46.3 mm	46.3 mm
Rated current I _n /cross-section	24 A/2.5 mm ²	32 A/4 mm ²
Rated voltage U _n	250 V	250 V
Rated impulse withstand voltage	—	—
AWG	26 ... 12	24 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²	0.2 ... 6 mm ²
Connection capacity, two rigid conductors	—	—
Connection capacity, one flexible conductor with end sleeve	0.14 ... 2.5 mm ²	0.25 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	—	—
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	Article No.	Article No.
● Blue	8WH9000-1SA00	8WH9003-1SA00
● Gray	—	—

Support brackets



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

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

Connecting terminals



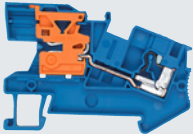
Color	Width	Article No.	Article No.
● Blue	10.3 mm	8WH9126-0BA01	8WH9126-0BA01

N busbars, 10 × 3 mm



Version	Length	Article No.	Article No.
Copper, tinned	1000 mm	8WA2842	8WA2842

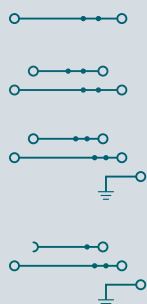
See general accessories, page 14/57 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²
8.2 mm	10 mm	12 mm	16 mm
66.3 mm	43.5 mm	43.5 mm	55 mm
50 mm	47 mm	54 mm	51 mm
41 A/6 mm ²	63 A/16 mm ²	90 A/25 mm ²	110 A/35 mm ²
400 V	–	–	–
–	6 kV	6 kV	6 kV
20 ... 8	–	–	–
0.5 ... 10 mm ²	1.5 ... 10 mm ²	1.5 ... 16 mm ²	0.75 ... 35 mm ²
–	1.5 ... 4 mm ²	1.5 ... 6 mm ²	0.75 ... 10 mm ²
0.5 ... 6 mm ²	1.5 ... 6 mm ²	1.5 ... 16 mm ²	0.75 ... 35 mm ²
–	1.5 ... 2.5 mm ²	1.5 ... 8 mm ²	0.75 ... 10 mm ²
–	1.5 ... 1.8 Nm	1.5 ... 1.8 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1	IEC 60947-7-1	IEC 60947-7-1	IEC 60947-7-1
			
iPo plug-in technology	Screw terminals	Screw terminals	Screw terminals
8WH6001-OBH01	8WH1001-OBJ01	8WH1001-OBK01	8WH1001-OBM01

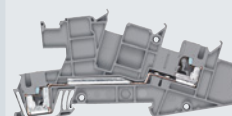
Article No.	Article No.	Article No.	Article No.
8WH9004-1SA00	–	–	–
–	8WH9005-3PA00	8WH9005-3PA00	–
–	–	–	–
–	–	–	–
Article No.	Article No.	Article No.	Article No.
8WH9143-OAH01	–	–	–
–	8WH9141-OBA01	8WH9141-OBA01	8WH9141-OBA01
–	–	–	–
–	–	–	–
Article No.	Article No.	Article No.	Article No.
8WH9126-OBA01	8WH9126-OBA01	8WH9126-OBA01	–
–	–	–	–
Article No.	Article No.	Article No.	Article No.
8WA2842	8WA2842	8WA2842	8WA2842

8WH6 iPo installation terminals

Three-tier terminals



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



Versions	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

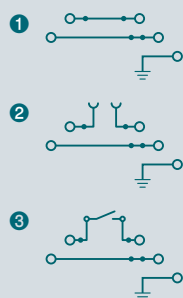
Special accessories

Covers			
	Color		Article No.
	● Gray		8WH9000-3SA00
Support brackets			
	- For holding the N busbar - To be placed every 20 cm		
	Color	Width	Article No.
	● Blue	2 mm	8WH9142-0AF01
N busbars, 10 × 3 mm			
	Version	Length	Article No.
	Copper, tinned ¹⁾	1000 mm	8WA2842

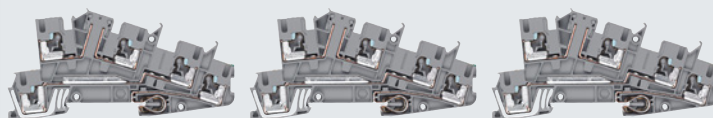
¹⁾ Only copper busbars may be installed.

See general accessories, page 14/57 onwards

Three-tier isolating terminals



Terminal size 2.5 mm ²			
Terminal width	5.2 mm	5.2 mm	5.2 mm
Terminal length	101 mm	101 mm	101 mm
Terminal height	50.5 mm	50.5 mm	50.5 mm
Rated current I_n / cross-section	24 A / 4 mm ²	24 A / 4 mm ²	24 A / 4 mm ²
Rated voltage U_n (L–L)	400 V	400 V	400 V
Rated voltage U_n (L–N, L–PE)	250 V	250 V	250 V
AWG	22 ... 12	22 ... 12	22 ... 12
Connection capacity, rigid	0.25 ... 4 mm ²	0.25 ... 4 mm ²	0.25 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²	0.25 ... 2.5 mm ²



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

Special accessories

Covers for isolating terminal in the contour

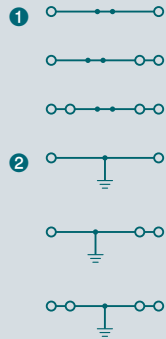


Color	Article No.	Article No.	Article No.
● Gray	–	8WH9000-6SA00	8WH9000-6SA00

See general accessories, page 14/57 onwards

8WH2 spring-loaded terminals

Through-type terminals

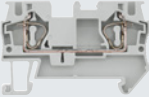
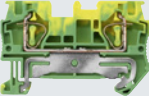
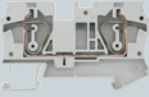
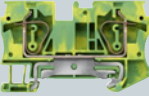
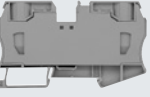


	Terminal size	1.5 mm ²	2.5 mm ²
Terminal width	4.2 mm	5.2 mm	
Load current I	17.5 A	28 A	
Operational voltage U	500 V	800 V	
AWG	28 ... 16	28 ... 12	
Connection capacity, rigid	0.08 ... 1.5 mm ²	0.08 ... 4 mm ²	
Connection capacity, flexible with end sleeve	0.08 ... 1.5 mm ²	0.08 ... 2.5 mm ²	
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus	

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

Special accessories

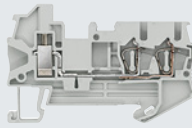
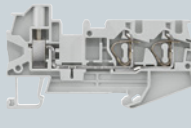
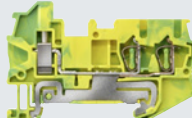
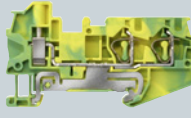
Covers				
	Color	Terminals	Article No.	Article No.
	Gray	2	8WH9000-1GA00	8WH9000-1GA00
		3	8WH9000-2GA00	8WH9000-2GA00
		4	8WH9000-4GA00	8WH9000-4GA00
Compartment partitions				
	Color	Terminals	Article No.	Article No.
	Gray	2	8WH9070-0AA00	8WH9070-0AA00
		3	8WH9070-0GA00	8WH9070-0GA00
		4	8WH9070-0HA00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

4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²
6.2 mm	8.2 mm	10.2 mm	12 mm	16 mm
40 A	52 A	65 A	90 A	125 A
800 V	1000 V	1000 V	1000 V	1000 V
28 ... 10	24 ... 8	24 ... 6	24 ... 4	14 ... 2
0.08 ... 6 mm ²	0.2 ... 10 mm ²	1.5 ... 16 mm ²	1.5 ... 25 mm ²	2.5 ... 35 mm ²
0.08 ... 4 mm ²	0.2 ... 6 mm ²	1.5 ... 10 mm ²	1.5 ... 16 mm ²	2.5 ... 35 mm ²
IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 	IEC 60947-7-1, IEC 60947-7-2, 
 	 	 	 	 
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

8WH2 spring-loaded terminals

Hybrid through-type terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Load current I	28 A	32 A
Operational voltage U	800 V	800 V
AWG Spring	28 ... 12	28 ... 10/26 ... 10
Connection capacity, rigid, spring-loaded	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible, spring-loaded	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
AWG screw	26 ... 14	28 ... 10/26 ... 10
Connection capacity, rigid, screw-type	0.14 ... 4 mm ²	0.14 ... 6 mm ²
Connection capacity, flexible, screw-type	0.14 ... 2.5 mm ²	0.14 ... 4 mm ²
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
① Hybrid through-type terminals			
3	● Gray	8WH2103-2BF00	8WH2103-2BG00
	● Blue	8WH2103-2BF01	8WH2103-2BG01
② PE hybrid through-type terminals			
3	● Green-yellow	8WH2103-3BF07	8WH2103-3BG07

Special accessories

Covers				
	Color	Terminals	Article No.	Article No.
	● Gray	3	8WH9000-2HA00	8WH9003-2HA00

See general accessories, page 14/57 onwards

Two-tier terminals



	Terminal size	1.5 mm ²	2.5 mm ²	4 mm ²
Terminal width		4.2 mm	5.2 mm	6.2 mm
Load current I		17.5 A	26 A	32 A
Operational voltage U		500 V	500 V	500 V
AWG		28 ... 16	28 ... 12	28 ... 10
Connection capacity, rigid		0.08 ... 1.5 mm ²	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve		0.08 ... 1.5 mm ²	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard		IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus

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

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

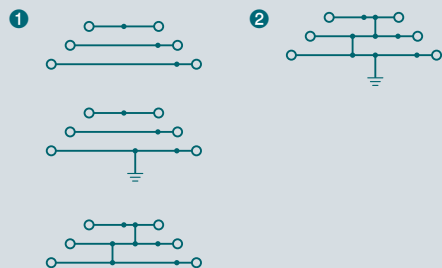
Special accessories

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

See general accessories, page 14/57 onwards

8WH2 spring-loaded terminals

Three-tier terminals



Terminal size	2.5 mm ²
Terminal width	5.2 mm
Load current I	28 A ¹⁾
Operational voltage U	500 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus



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

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

Special accessories

Covers



Color	Article No.
● Gray	8WH9000-1GD00

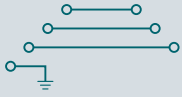
Label holder

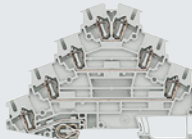


Color	Article No.
● Gray	8WH9060-4BA00

See general accessories, page 14/57 onwards

Four-tier motor terminals



	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Load current I	26 A	32 A
Operational voltage U	800 V	800 V
AWG	28 ... 12	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1, IEC 60947-7-2, cULus	IEC 60947-7-1, IEC 60947-7-2, cULus, ®
		

Variant	Color		
L/L/L/PE	● Gray	8WH2040-4LF00	8WH2040-4LG00

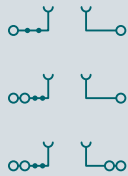
Special accessories

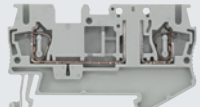
Covers			
	Color	Article No.	Article No.
	● Gray	8WH9000-1GE00	—

See general accessories, page 14/57 onwards

8WH2 spring-loaded terminals

Isolating terminals

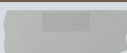


	Terminal size	
	2.5 mm ²	4 mm ²
Terminal width	5.2 mm	6.2 mm
Load current I	16 A	16 A
Operational voltage U	400 V	400 V
AWG	28 ... 12	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1, 	IEC 60947-7-1, 
		

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

Special accessories

Covers

	Color	Terminals	Article No.	Article No.
	 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	–	

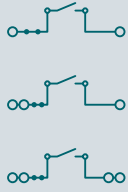
Plug-in zone connectors

   	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	
				110 ... 250 V, 0.5 ... 2.5 mA	8WH9040-3CB08	8WH9040-3CB08	
				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, page 14/57 onwards

Isolating blade terminals



	Terminal size		
	2.5 mm ²	4 mm ²	6 mm ²
Terminal width	5.2 mm	5.2 mm	6.2 mm
Load current I	16 A	16 A ¹⁾	16 A
Operational voltage U	400 V	400 V	400 V
AWG	28 ... 12	26 ... 14	28 ... 10
Connection capacity, rigid	0.08 ... 4 mm ²	0.14 ... 4 mm ²	0.08 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.08 ... 4 mm ²
Standard	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus	IEC 60947-7-1, cULus

Terminals	Color	Article No.	Article No.	Article No.
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

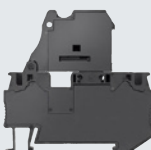
Covers					
	Color	Terminals	Article No.	Article No.	Article No.
	● Gray	2	8WH9000-2GA00	8WH9000-2GA00	–
		3	8WH9000-4GA00	8WH9000-4GA00	–
		4	8WH9000-5GA00	8WH9000-5GA00	–
Compartment partitions					
	Color	Terminals	Article No.	Article No.	Article No.
	● Gray	2	8WH9070-0AA00	8WH9070-0AA00	8WH9070-0AA00
		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, page 14/57 onwards

8WH2 spring-loaded terminals

Fuse terminals



		Terminal size 4 mm ²		
	Terminal width	6.2 mm	8.2 mm	8.2 mm
	Load current I	6.3 A	10 A	30 A
	Operational voltage U	250 V	400 V	400 V
	Max. individual power loss as overload protection	1.6 W	–	–
	Max. power loss as a group as overload protection	1.6 W	–	–
	Max. individual power loss as short-circuit protection	4 W	–	–
	Max. power loss as a group as short-circuit protection	2.5 W	–	–
	AWG	28 ... 10	28 ... 10	28 ... 10
	Connection capacity, rigid	0.08 ... 6 mm ²	0.08 ... 6 mm ²	0.08 ... 6 mm ²
	Connection capacity, flexible with end sleeve	0.08 ... 4 mm ²	0.08 ... 4 mm ²	0.08 ... 4 mm ²
	Standard	IEC 60947-7-3, 	IEC 60947-7-3, 	IEC 60947-7-3, 
				

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

¹⁾ Blade-type fuses must be ordered separately.

Special accessories

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

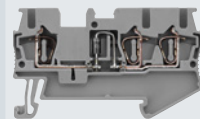
See general accessories, page 14/57 onwards

8WH2 spring-loaded terminals

Diode terminals



Terminal size	2.5 mm²
Terminal width	5.2 mm
Load current	Determined by the diode
Uninterrupted limiting current	0.5 A
Operational voltage U	500 V
Blocking voltage	1300 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Diode	1N 4007, integrated
Standard	cULUS



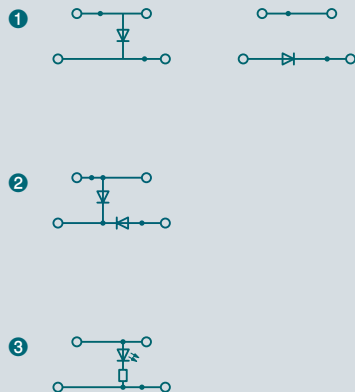
Terminals	Color	Let-through	
3	● Gray	① From left to right	8WH2003-5DF00
	● Gray	② From right to left	8WH2003-5CF00

Special accessories

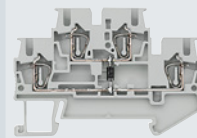
Covers			
	Color	Terminals	Article No.
	● Gray	3	8WH9000-4GA00
Compartment partitions			
	Color	Terminals	Article No.
	● Gray	3	8WH9070-0GA00
Cover segments			
	• For covering multi-wire terminals when mounting two-wire terminals side-by-side		
	Color	Terminals	Article No.
	● Gray	3	8WH9000-0GA00

See general accessories, page 14/57 onwards

Two-tier diode terminals



Terminal size	2.5 mm ²
Terminal width	5.2 mm
Load current	26 A
Uninterrupted limiting current	0.5 A
Operational voltage U	500 V
Blocking voltage	1300 V
AWG	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²
Diode	1N 4007, integrated
Standard	UL



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

Special accessories

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

See general accessories, page 14/57 onwards

8WH5 combination plug-in terminals

Through-type terminals

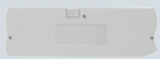


Terminal size	2.5 mm ²
Terminal width	5.2 mm
Load current	24 A
Operational voltage U	500 V
Standard	IEC 61984, cULus

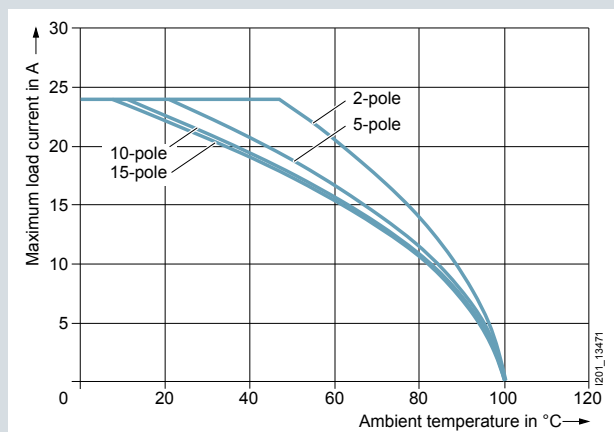


Terminals	Color	Combination plug-in connection
① Through-type terminals		
2	● Gray	8WH5000-0AF00
	● Blue	8WH5000-0AF01
② PE through-type terminals		
2	● Green-yellow	8WH5000-0CF07

Special accessories

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

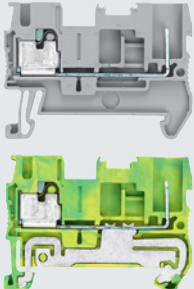
See general accessories, page 14/57 onwards



Derating curve for 8WH5000-0AF00

Hybrid through-type terminals



	Terminal size
	2.5 mm ²
Terminal width	5.2 mm
Rated current I_n / cross-section	24 A / 2.5 mm ²
Rated voltage U_n	500 V
AWG	26 ... 12
Connection capacity, rigid	0.14 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.14 ... 2.5 mm ²
Standard	CECULUS
	

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

Special accessories

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

See general accessories, page 14/57 onwards

8WH5 combination plug-in terminals

8WH9 plugs

	Terminal size	
	2.5 mm ²	
Terminal width	5.2 mm	5.2 mm
Load current	24 A	24 A
Operational voltage U	500 V	500 V
AWG	28 ... 12	28 ... 12
Connection capacity, rigid	0.08 ... 4 mm ²	0.08 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.08 ... 2.5 mm ²	0.08 ... 2.5 mm ²
Number of poles	1P	1P
Standard	 US	 US
		

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

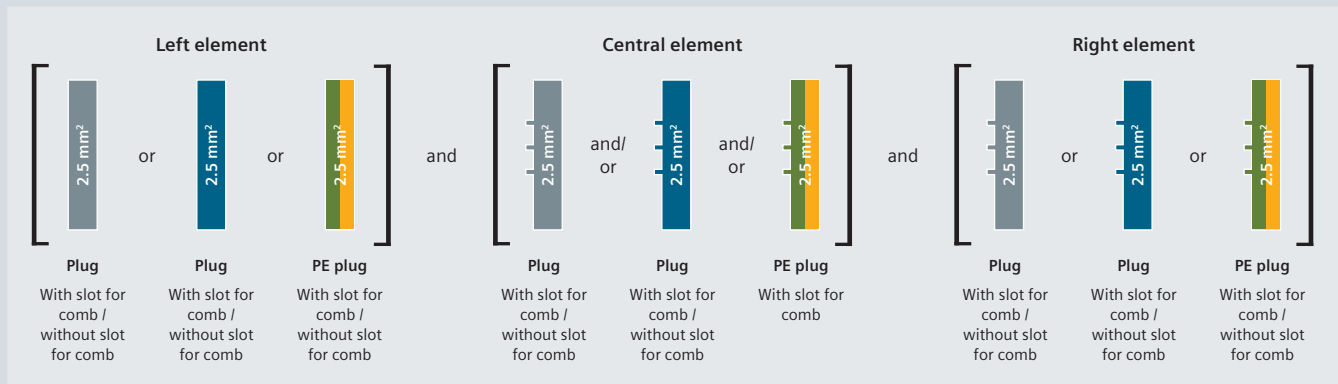
14

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, page 14/57 onwards

Configuration of combination plug

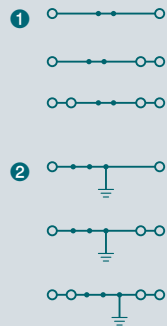


Note:

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

8WH3 insulation displacement terminals

Through-type terminals



	Terminal size	1.5 mm ²	2.5 mm ²
Terminal width	5.2 mm	6.2 mm	
Load current I	17.5 A ¹⁾	24 A ¹⁾	
Operational voltage U	800 V	800 V	
AWG	24 ... 16	20 ... 14	
Connection capacity, rigid	0.25 ... 1.5 mm ²	0.5 ... 2.5 mm ²	
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²	0.5 ... 2.5 mm ²	

Terminals	Color		
① Through-type terminals			
2	Gray	8WH3000-0AE00	8WH3000-0AF00
	Blue	8WH3000-0AE01	8WH3000-0AF01
3	Gray	8WH3003-0AE00	8WH3003-0AF00
	Blue	8WH3003-0AE01	8WH3003-0AF01
4	Gray	8WH3004-0AE00	–
	Blue	8WH3004-0AE01	–
② PE through-type terminals			
2	Green-yellow	8WH3000-0CE07	8WH3000-0CF07
3	Green-yellow	8WH3003-0CE07	8WH3003-0CF07
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

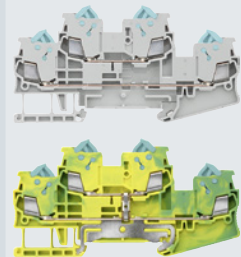
Covers				
	Terminals	Color	Article No.	Article No.
	2	Gray	8WH9000-1AA00	8WH9000-1AA00
	3	Gray	8WH9000-2AA00	8WH9000-2AA00
	4	Gray	8WH9000-4AA00	–
Compartment partitions				
	Terminals	Color	Thickness	Article No.
	2	Gray	2 mm	8WH9070-0JA00
	3	Gray	2 mm	8WH9070-0KA00
	4	Gray	2 mm	8WH9070-0LA00
Cover segments				
	For covering multi-wire terminals when mounting two-wire terminals side-by-side			
	Terminals	Color	Article No.	Article No.
	3	Gray	–	8WH9000-0AA00

See general accessories, page 14/57 onwards

Two-tier terminals



	Terminal size
	1.5 mm ²
Terminal width	5.2 mm
Load current	17.5 A
Operational voltage U	500 V
AWG	24 ... 16
Connection capacity, rigid	0.25 ... 1.5 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²
Standard	cULus



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

Special accessories

Covers



Color	Article No.
● Gray	8WH9001-1BA00

Compartment partitions



Color	Article No.
● Gray	8WH9070-0MA00

See general accessories, page 14/57 onwards

8WH3 insulation displacement terminals

Isolating terminals



	Terminal size	
	1.5 mm ²	2.5 mm ²
Terminal width	5.2 mm	6.2 mm
Load current	16 A	16 A
Operational voltage U	400 V	400 V
AWG	24 ... 16	20 ... 14
Connection capacity, rigid	0.25 ... 1.5 mm ²	0.5 ... 2.5 mm ²
Connection capacity, flexible with end sleeve	0.25 ... 1.5 mm ²	0.5 ... 2.5 mm ²
Standard	CEUS	CEUS

Terminals	Color		
2	● Gray	8WH3000-6AE00	8WH3000-6AF00

Special accessories

Covers			
	Color	Article No.	Article No.
	● Gray	8WH9001-2AA00	8WH9000-2AA00

Compartment partitions			
	Color	Article No.	Article No.
	● Gray	8WH9070-0KA00	8WH9070-0KA00

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
				110 ... 250 V, 0.5 ... 2.5 mA	8WH9040-3CB08	8WH9040-3CB08
				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.

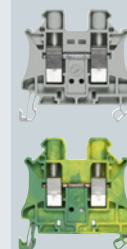
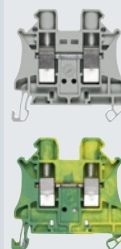
See general accessories, page 14/57 onwards

8WH screw terminals

8WH1 through-type terminals



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

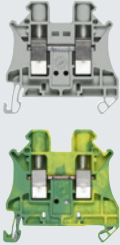
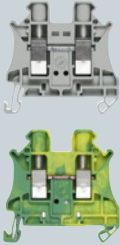
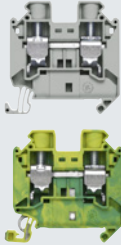


Terminals	Color		
① Through-type terminals			
2	- Gray - Blue - Orange - Red - Black - Green - Yellow	8WH1000-0AF00 8WH1000-0AF01 8WH1000-0AF04 8WH1000-0AF02 8WH1000-0AF08 8WH1000-0AF03 8WH1000-0AF06	8WH1000-0AG00 8WH1000-0AG01 8WH1000-0AG04 8WH1000-0AG02 8WH1000-0AG08 – –
② PE through-type terminals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

Special accessories

Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	Gray	8WH9000-1PA00	8WH9000-1PA00
Compartment partitions				
	Thickness	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, page 14/57 onwards

6 mm ²	10 mm ²	16 mm ²	35 mm ²	
8.2 mm	10.2 mm	12.2 mm	16 mm	16 mm
57 A	76 A	101 A	150 A	–
1000 V	1000 V	1000 V	1000 V	–
24 ... 8	20 ... 6	16 ... 4	16 ... 1/0	16 ... 2
0.2 ... 10 mm ²	0.5 ... 16 mm ²	1.5 ... 25 mm ²	1.5 ... 50 mm ²	1.5 ... 35 mm ²
0.2 ... 2.5 mm ²	0.5 ... 4 mm ²	1 ... 6 mm ²	1.5 ... 16 mm ²	1.5 ... 16 mm ²
0.2 ... 10 mm ²	0.5 ... 16 mm ²	1.5 ... 25 mm ²	1.5 ... 50 mm ²	1.5 ... 35 mm ²
0.2 ... 2.5 mm ²	0.5 ... 4 mm ²	1 ... 6 mm ²	1.5 ... 10 mm ²	1.5 ... 10 mm ²
1.5 ... 1.8 Nm	1.6 ... 1.8 Nm	2.5 ... 3.0 Nm	3.2 ... 3.7 Nm	3.2 ... 3.7 Nm
IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE	IEC 60947-7-1, IEC 60947-7-2, cULus, CE
				
8WH1000-0AH00	8WH1000-0AJ00	8WH1000-0AK00	8WH1000-0AM00	–
8WH1000-0AH01	8WH1000-0AJ01	8WH1000-0AK01	8WH1000-0AM01	–
–	–	–	–	–
8WH1000-0AH02	–	–	–	–
8WH1000-0AH08	–	–	–	–
–	–	–	–	–
–	–	–	–	–
8WH1000-0CH07	8WH1000-0CJ07	8WH1000-0CK07	–	8WH1000-0CM07
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9000-1PA00	8WH9000-1PA00	8WH9076-1PA00	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9070-6BA00	8WH9070-6BA00	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9002-8AC10	8WH9002-8CC10	8WH9002-8EC10	8WH9002-8GC10	8WH9002-8GC10
8WH9002-8BC10	8WH9002-8DC10	8WH9002-8FC10	8WH9002-8HC10	8WH9002-8HC10
Article No.	Article No.	Article No.	Article No.	Article No.
8WH9064-5BA06	8WH9065-5BA06	8WH9066-5BA06	8WH9067-5BA06	8WH9067-5BA06

8WH screw terminals

8WH1 through-type terminals for high-current applications



	Terminal size	50 mm ²	95 mm ²	150 mm ²	240 mm ²
Terminal width		20 mm	25 mm	31 mm	36 mm
Rated current I		150 A	232 A	309 A	415 A
Rated voltage U		1000 V	1000 V	1000 V	1000 V
AWG		6 ... 0	4 ... 000	2 ... 300 kcmil	00 ... 500 kcmil
Connection capacity, rigid		16 ... 50 mm ²	25 ... 95 mm ²	35 ... 150 mm ²	70 ... 240 mm ²
Connection capacity, flexible with end sleeve		25 ... 50 mm ²	35 ... 95 mm ²	50 ... 150 mm ²	70 ... 240 mm ²
Tightening torque		6 ... 8 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, cULus	IEC 60947-7-1, cULus

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

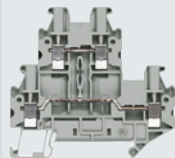
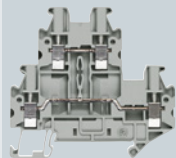
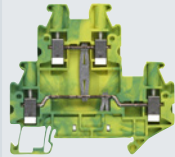
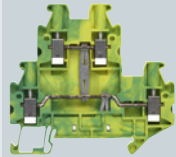
Special accessories

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.
	57 A	10 mm ²	8WH9120-0AA00	8WH9120-0BA00	8WH9120-0CA00
Insertion profiles					
	Evens out the prismatic sleeve base when using flat conductors				
			Article No.	Article No.	Article No.
			8WH9020-3MA00	8WH9020-3NA00	8WH9020-3PA00
Combs					
	Fully insulated, fitted in the clamping sleeve and latched with the terminal enclosure				
	I_{max}	Number of poles	Article No.	Article No.	Article No.
	232 A	2-pole	–	8WH9020-3AA00	8WH9020-3CA00
		3-pole	–	8WH9020-3BA00	8WH9020-3DA00
	320 A	2-pole	–	–	8WH9020-3EA00
Permanent links					
	- For cross links - Screw heads with insulating collar - Remove partition first				
	I_{max}	Number of poles	Article No.	Article No.	Article No.
	150 A	2-pole	8WH9020-6HC00	–	–
		3-pole	8WH9020-6HD00	–	–

See general accessories, page 14/57 onwards

8WH1 two-tier terminals



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

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

Special accessories

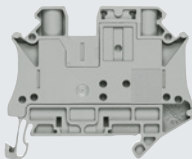
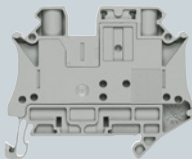
Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	● Gray	8WH9000-1QA00	8WH9000-1QA00
Compartment partitions				
	Thickness	Color	Article No.	Article No.
	2 mm	● Gray	8WH9070-6FA00	8WH9070-6FA00
Spacer plates				
	• Compensates for tier offset if other terminals are mounted side by side			
	Thickness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

See general accessories, page 14/57 onwards

8WH screw terminals

8WH1 isolating terminals



	Terminal size	
	4 mm ²	6 mm ²
Terminal width	6.2 mm	8.2 mm
Max. load current $I_{\max}$	20 A	20 A
Rated voltage U_n	400 V	500 V
AWG	26 ... 10	24 ... 8
Connection capacity, one rigid conductor	0.14 ... 6 mm ²	0.2 ... 10 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²	0.2 ... 2.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm ²	0.2 ... 10 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²	0.2 ... 2.5 mm ²
Tightening torque	0.6 ... 0.8 Nm	1.5 ... 1.8 Nm
Standard	cULus, CE	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
				110 ... 250 V, 0.5 ... 2.5 mA	8WH9040-3CB08	8WH9040-3CB08
				Without	8WH9040-3DB08	8WH9040-3DB08
	Component connectors	 Gray	6 A	–	8WH9040-0BB00	8WH9040-0BB00

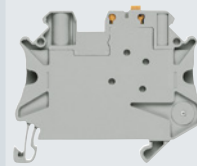
¹⁾ The G fuse holders must be selected according to the maximum power loss (heat dissipation) of the G fuse links. Depending on the application and method of installation, the heat rise conditions in closed fuse holders must be tested. Higher ambient temperatures represent an additional load for the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

See general accessories, page 14/57 onwards

8WH1 isolating blade terminals



Terminal size	
4 mm ²	
Terminal width	6.2 mm
Max. load current I _{max}	20 A
Rated voltage U _n	500 V
AWG	26 ... 12
Connection capacity, one rigid conductor	0.14 ... 4 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Standard	UL, CE



Terminals	Color	
2	● Gray	8WH1000-6CG00

Special accessories

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

See general accessories, page 14/57 onwards

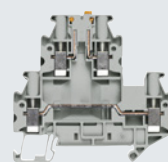
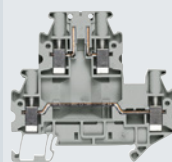
8WH screw terminals

8WH1 two-tier terminals with isolating function



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

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



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

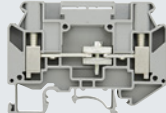
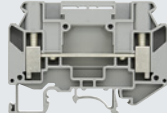
Special accessories

Covers				
	Width	Color	Article No.	Article No.
	2.2 mm	● Gray	8WH9000-1QA00	8WH9000-1QA00
Compartment partitions				
	Thickness	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			
	Thickness	Color	Article No.	Article No.
	2.5 mm	● Gray	8WH9160-0AA00	8WH9160-0AA00

See general accessories, page 14/57 onwards

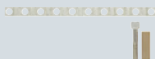
8WH1 measuring transformer isolating terminals



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

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

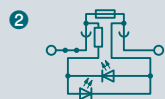
Special accessories

Covers				
	Width 2.2 mm	Color ● Gray	Article No. 8WH9000-3UA00	Article No. 8WH9000-3UA00
Disconnecting links				
	- For bridging two adjacent terminals - Cannot be used with the bare 8WH9010-0MB12 test socket			
	Tightening torque 0.6 ... 0.8 Nm	Number of poles 2-pole	Color ● Gray	Article No. 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 0.6 ... 0.8 Nm	Number of poles 10-pole	Color ● Gray	Article No. 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} 20 A	Number of poles 2-pole	Color ● Black	Article No. 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 0.6 ... 0.8 Nm	Color	Article No.	Article No.
		● 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 0.6 ... 0.8 Nm	Article No.	Article No.	
		8WH9010-0MB12	8WH9010-0MB12	

See general accessories, page 14/57 onwards

8WH screw terminals

8WH1 fuse terminals



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



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

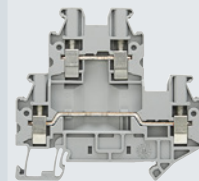
Reducing combs			
	For connecting terminals from terminal size 6 mm² to 2.5 mm² or 4 mm²		
	Version	Color	Article No.
	From screw to screw	● Turquoise	–
			8WH9002-8AC10

See general accessories, page 14/57 onwards

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
Rated voltage U_{max}	500 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 4 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 4 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.5 ... 0.6 Nm
Standard	CSA, UL, CE



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			
	Thickness	Color	Article No.
	2 mm	● Gray	8WH9070-6FA00
Spacer plates			
	• Compensates for tier offset if other terminals are mounted side by side		
	Thickness	Color	Article No.
	2.5 mm	● Gray	8WH9160-0AA00

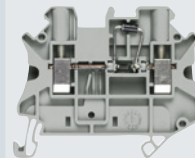
See general accessories, page 14/57 onwards

8WH screw terminals

8WH1 diode terminals



Terminal size	
4 mm ²	
Terminal width	6.2 mm
Uninterrupted limiting current	0.5 A
Rated insulation voltage U _i	800 V
Blocking voltage	1300 V
AWG	26 ... 10
Connection capacity, one rigid conductor	0.14 ... 6 mm ²
Connection capacity, two rigid conductors	0.14 ... 1.5 mm ²
Connection capacity, one flexible conductor with end sleeve	0.14 ... 6 mm ²
Connection capacity, two flexible conductors with end sleeve	0.14 ... 1.5 mm ²
Tightening torque	0.6 ... 0.8 Nm
Diode	1N 4007, integrated
Standard	CE, UL, C



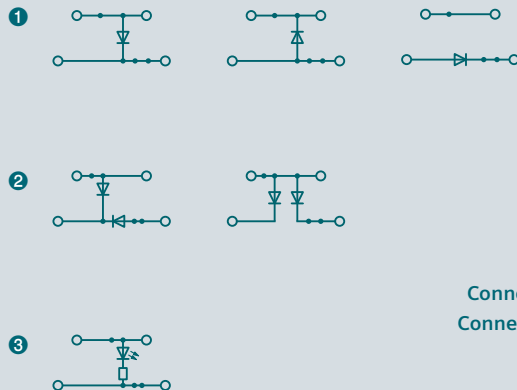
Let-through	Color	
① From left to right	● Gray	8WH1000-6LG00
② From right to left	● Gray	8WH1000-6KG00

Special accessories

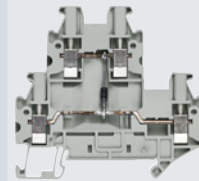
Covers			
	Width	Color	Article No.
	2.2 mm	● Gray	8WH9000-2PA00
Warning covers			
	Image	Color	Article No.
	Lightning symbol	● Yellow	8WH9063-5BA06

See general accessories, page 14/57 onwards

8WH1 two-tier diode terminals



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



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

Special accessories

Covers



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

Compartment partitions



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

Spacer plates



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

See general accessories, page 14/57 onwards

8WH screw terminals

8WH9 shield terminals

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

Special accessories

Support brackets					
	Version	Article No.	Article No.	Article No.	Article No.
	Made of molded plastic and conductive connection with retaining screw	8WH9140-0DA00	8WH9140-0DA00	8WH9140-0DA00	8WH9140-0DA00
	For mounting rail with clearance of approx. 30 mm to the busbar	8WH9140-0BA00	8WH9140-0BA00	8WH9140-0BA00	—
	For mounting rail with clearance of approx. 65 mm to the busbar	8WH9140-0CA00	8WH9140-0CA00	8WH9140-0CA00	—
N busbars, 10 × 3 mm					
	Version	Length	Article No.	Article No.	Article No.
	Copper, tinned	1000 mm	8WA2842	8WA2842	8WA2842

See general accessories, page 14/57 onwards

Accessories for 8WH terminal blocks

Individual labeling system

Labeling systems for

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

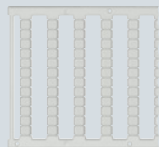
The inscription labels can be inscribed with Murrplastik labeling systems or by hand.

The WIN designation facilitates assignment in the inscription software.

Labeling systems available from:

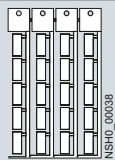
Murrplastik Systemtechnik GmbH
Postfach 1143
D-71570 Oppenweiler
Telephone: 07191-482-0
email: info@murrplastik.de

Blank labels



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, 12 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 mm	WIN 188	● White	8WH8113-1AA05
	12 and 16 mm	WIN 46Z	● White	8WH8113-6AA05

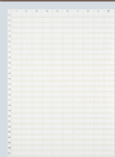
Snap-on device labels



- 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

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

Accessories for 8WH terminal blocks

Standard labeling system

Front							
			Terminal size	1.5 mm²	2.5 mm²		
			Terminal width	4.2 mm / 5.2 mm (8WH3)	5.2 mm / 6.2 mm (8WH3)		
12345678910 1 2 3 4 5 6 7 8 9 10	Text alignment	Inscription	Inscription	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	
			U, V, W, N, grounding	–	–	–	
			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				
	12345678910 1 2 3 4 5 6 7 8 9 10	Text alignment	Inscription	Inscription	Article No.	Article No.	
Vertical		Consecutive numbering	1 ... 10 (10×)	8WH8121-1AB05	8WH8121-2AB05		
			11 ... 20 (10×)	8WH8121-1AB15	8WH8121-2AB15		
			21 ... 30 (10×)	8WH8121-1AB25	8WH8121-2AB25		
			31 ... 40 (10×)	8WH8121-1AB35	8WH8121-2AB35		
			41 ... 50 (10×)	8WH8121-1AB45	8WH8121-2AB45		
			51 ... 60 (10×)	8WH8121-1AB55	8WH8121-2AB55		
			61 ... 70 (10×)	–	8WH8121-2AB65		
			71 ... 80 (10×)	–	8WH8121-2AB75		
			81 ... 90 (10×)	–	8WH8121-2AB85		
			91 ... 100 (10×)	–	8WH8121-2AC05		
			Custom inscription	–	8WH8121-1XA05-Z Y01	8WH8121-2XA05-Z Y01	
			Horizontal	Consecutive numbering	1 ... 10 (10×)	8WH8141-1AB05	8WH8141-2AB05
					11 ... 20 (10×)	8WH8141-1AB15	8WH8141-2AB15
21 ... 30 (10×)		8WH8141-1AB25			8WH8141-2AB25		
31 ... 40 (10×)		8WH8141-1AB35			8WH8141-2AB35		
41 ... 50 (10×)		8WH8141-1AB45			8WH8141-2AB45		
51 ... 60 (10×)		–			8WH8141-2AB55		
61 ... 70 (10×)		–			8WH8141-2AB65		
71 ... 80 (10×)		–			8WH8141-2AB75		
81 ... 90 (10×)		–			8WH8141-2AB85		
91 ... 100 (10×)		–			8WH8141-2AC05		
Custom inscription		–			8WH8141-1XA05-Z Y01	8WH8141-2XA05-Z Y01	
Blank		–			–	8WH8111-1AA05	8WH8111-2AA05

4 mm ²	6 mm ²	10 and 16 mm ²	35 mm ²
6.2 mm	8.2 mm	10 and 12 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	8WH8120-4AB85	–	–
8WH8120-3AC05	8WH8120-4AC05	–	–
8WH8120-3AA15	8WH8120-4AA15	8WH8120-5AA15	8WH8120-7AA15
–	–	8WH8120-5AA25	–
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	8WH8140-5AB25	–
8WH8140-3AB35	–	8WH8140-5AB35	–
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	8WH8121-4AB25	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	–
8WH8141-3AB05	8WH8141-4AB05	8WH8141-5AB05	–
–	8WH8141-4AB15	–	–
–	8WH8141-4AB25	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
8WH8141-3XA05-Z Y01	8WH8141-4XA05-Z Y01	8WH8141-5XA05-Z Y01	–
8WH8111-3AA05	8WH8111-4AA05	8WH8111-5AA05	8WH8111-7AA05

Accessories for 8WH terminal blocks

Mounting accessories

Lateral mounting test plugs



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

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

Spacer plates



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

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

Terminal strip markers, for end retainers



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

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

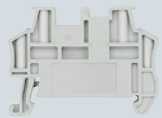
Test adapters



- For 4 mm Ø test plugs and 4 mm Ø safety test plugs
- Makes contact in the bridge slot

Color	Article No.
● Gray	8WH9010-0JB00

Quick-fit end retainers



- For inscription 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 mm ² or 4 mm ²	1.5 mm ²	● Turquoise	8WH9020-0CC10
	6 mm ²	● Turquoise	8WH9020-0FC10
	10 mm ²	● Turquoise	8WH9020-0AC10
	16 mm ²	● Turquoise	8WH9020-0BC10
	35 mm ²	● Turquoise	8WH9020-0EC10
16 mm ²	35 mm ²	● Turquoise	8WH9020-0DC10

Connecting combs



Terminal size	Terminal width	Max. load current $I_{\max}$	Used for 8WH3	Number of poles	Article No.
1.5 mm ²	4.2 mm	17.5 A	Cannot be used	2-pole	8WH9020-6AC10
				3-pole	8WH9020-6AD10
				4-pole	8WH9020-6AE10
				5-pole	8WH9020-6AF10
				10-pole	8WH9020-6AL10
				20-pole	8WH9020-6AS10
				2-pole	8WH9020-6BC10
				3-pole	8WH9020-6BD10
				4-pole	8WH9020-6BE10
				5-pole	8WH9020-6BF10
			Can be used for terminal size 1.5 mm ²	10-pole	8WH9020-6BL10
				20-pole	8WH9020-6BS10
				50-pole	8WH9020-6BT10
				2-pole	8WH9020-6CC10
				3-pole	8WH9020-6CD10
4 mm ²	6.2 mm	32 A	Can be used for terminal size 2.5 mm ²	4-pole	8WH9020-6CE10
				5-pole	8WH9020-6CF10
				10-pole	8WH9020-6CL10
				20-pole	8WH9020-6CS10
				50-pole	8WH9020-6CT10
6 mm ²	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 mm ²	10 mm	57 A	Cannot be used	2-pole	8WH9020-6EC10
16 mm ²	12 mm	76 A	Cannot be used	2-pole	8WH9020-6FC10
35 mm ²	16 mm	101 A	Cannot be used	2-pole	8WH9020-6GC10

Screwdrivers



Variant	Article No.
0.4 × 2.5 mm	8WH9200-0AA00
0.6 × 3.5 mm	8WH9200-0AB00
0.8 × 4.0 mm	8WH9200-0AC00
1.0 × 5.5 mm	8WH9200-0AD00

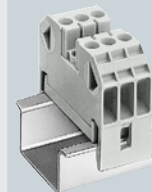
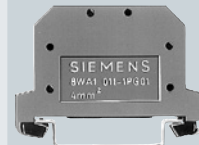
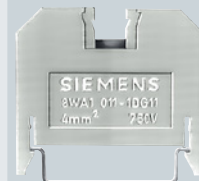
8WA1 screw terminals

Through-type terminals

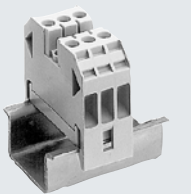
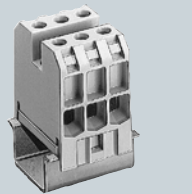
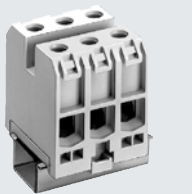


Terminal width, through-type terminal	6 mm
Terminal width, PE/PEN through-type terminal	6 mm
3-pole terminal block width	18 mm
10-pole terminal block width	61 mm
Rated uninterrupted current I_u	24 A
Rated voltage U_e (UL, CE)	600 V
Rated insulation voltage U_i	800 V
AWG UL	22 ... 12
AWG CE	18 ... 12
Connection capacity, rigid	0.5 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 2.5 mm ²
Tightening torque	0.5 Nm
Standard	IEC 60947-7-1, IEC 60947-7-2, UL, CE

Terminal size	
2.5 mm ²	4 mm ²
6 mm	6.5 mm
6 mm	7.2 mm
18 mm	19.5 mm
61 mm	65.5 mm
24 A	32 A
600 V	600 V
800 V	800 V
22 ... 12	18 ... 10
18 ... 12	18 ... 10
0.5 ... 4 mm ²	0.5 ... 6 mm ²
0.5 ... 2.5 mm ²	0.5 ... 4 mm ²
0.5 Nm	0.5 Nm
IEC 60947-7-1, IEC 60947-7-2, UL, CE	IEC 60947-7-1, IEC 60947-7-2, UL, CE



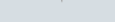
Terminals	Number of poles	Inscription	Color		
1 Through-type terminal – single terminal					
2	1-pole	Blank	Beige	8WA1011-1DF11	8WA1011-1DG11
			Blue	8WA1011-1BF23	8WA1011-1BG11
			Red	8WA1011-1BF21	8WA1011-1BG21
			Orange	8WA1011-1BF22	8WA1011-1BG22
			Yellow	8WA1011-1BF26	–
			Black	8WA1011-1BF24	8WA1011-1BG24
			Green	8WA1011-1BF25	–
2 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
1 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

6 mm ²	16 mm ²	35 mm ²	70 mm ²
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 mm ²	1.5 ... 16 mm ²	4 ... 16 mm ²	10 ... 95 mm ²
1.5 ... 6 mm ²	2.5 ... 16 mm ²	4 ... 35 mm ²	16 ... 70 mm ²
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	–
–	–	–	–
–	–	–	–

8WA1 screw terminals

Through-type terminals

Special accessories

		Terminal size	2.5 mm ²	4 mm ²
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			
	Thickness	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

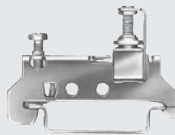
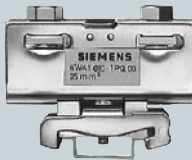
See general accessories, page 14/78 onwards

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	–

8WA1 screw terminals

PE through-type terminals, bare



	Terminal size	
	6 mm ²	95 mm ²
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 mm ²	–
Connection capacity, flexible with end sleeve	1.5 ... 6 mm ²	50 ... 95 mm ²
Standard	☺	☺
		

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

Special accessories

Barriers	Article No.	Article No.
	8WA1821	–

See general accessories, page 14/78 onwards

Two-tier terminals



	Terminal size
	4 mm ²
Terminal width	6.5 mm
Rated uninterrupted current I_N	32 A
Rated insulation voltage U_i	690 V
AWG	18 ... 10
AWG	18 ... 10
Connection capacity, rigid	0.5 ... 6 mm ²
Connection capacity, flexible with end sleeve	0.75 ... 4 mm ²
Standard	

Version	Color	
① Two-tier terminals without equipotential bonding		
2-pole with two isolated connections	Beige	8WA1011-2DG11
	Blue	8WA1011-2BG11
② 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		Versions	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, page 14/78 onwards

8WA1 screw terminals

Insta or three-tier terminals



Terminal width
Rated uninterrupted current I_u
Rated insulation voltage U_i between phase conductors
Rated insulation voltage U_i between phase and protective conductors and for neutral isolating distance

AWG

Connection capacity, rigid
Connection capacity, flexible with end sleeve

Tightening torque

Standard

Terminal size

2.5 mm²

6 mm

24 A

400 V

250 V

22 ... 12

0.5 ... 4 mm²

0.5 ... 4 mm²

0.5 Nm

Standard



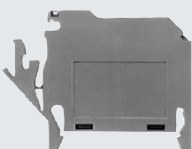
Type	Color	
1 L, L	Beige	8WA1011-3JF18
2 PE, L, L	Beige	8WA1011-3JF16
2 PE, L, N	Beige	8WA1011-3JF17
3 PE, L, NT	Beige	8WA1011-3JF20

Special accessories

Covers				
	Version			Article No.
	For connection bars, transparent			8WA1822-7AX01
	For connection bars, white			8WA1822-7AX03
Bare feeder terminals, for N busbars				
	Size	Conductor cross-section	Rated uninterrupted current	Article No.
	6 x 6 mm and 10 x 3 mm	Up to 4 mm ²	32 A	8WA2867
		Up to 25 mm ²	76 A	8WA2868
		Up to 35 mm ²	125 A	8WA2870
N busbars, 6 x 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 x 7 mm (WIN 68)	Suitable for plotting		8WA8348-2AY
Connection bars				
	Version	Versions		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, page 14/78 onwards

N conductor isolating and branch terminals

	Terminal size			
	2.5 mm ²	4 mm ²	6 mm ²	16 mm ²
Terminal width	6 mm	6.5 mm	8 mm	10 mm
Rated uninterrupted current I _u	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 mm ²	0.5 ... 6 mm ²	0.75 ... 10 mm ²	1.5 ... 16 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 2.5 mm ²	0.75 ... 4 mm ²	0.5 ... 6 mm ²	1.5 ... 16 mm ²
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

Feeder terminals, for N busbars						
	Size	Rated uninterrupted current	Article No.	Article No.	Article No.	Article No.
	6 × 6 mm and	32 A	8WA2867	8WA2867	—	—
	10 × 3 mm	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, page 14/78 onwards

8WA1 screw terminals

Through-type terminals with sectionalizing feature



Terminal size	
2.5 mm ²	
Terminal width	6 mm
Rated uninterrupted current I _u	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 mm ²
Connection capacity, flexible without end sleeve	0.5 ... 2.5 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 1.5 mm ²
Tightening torque	0.5 Nm
Standard	UL, CE

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, page 14/78 onwards

Measuring transformer terminals

1		Terminal size	6 mm²		
2		Terminal width	8 mm	8 mm	8 mm
		Rated uninterrupted current I _u	41 A	41 A	41 A
3		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 Isolating blade 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		
	Versions	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		
	Versions	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, page 14/78 onwards

8WA1 screw terminals

Fuse terminals



Terminal size	1.5 mm ²
Terminal width	10 mm
Rated uninterrupted current I_u when using fuses	6.3 A
Rated uninterrupted current I_u 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 mm ²
Connection capacity, flexible with end sleeve	0.75 ... 1.5 mm ²
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				
	Versions	Breaking capacity	Rated uninterrupted current	Article No.
	Quick	Large	1 A 1.6 A 2.5 A 4 A 6.3 A	8WA1822-7EF16 8WA1822-7EF18 8WA1822-7EF21 8WA1822-7EF23 8WA1822-7EF25
	Slow	Small	1 A 1.6 A 2.5 A 4 A 6.3 A	8WA1822-7EF76 8WA1822-7EF78 8WA1822-7EF81 8WA1822-7EF83 8WA1822-7EF85
Isolating links, 5 × 25 mm				
	Size			Article No.
	5 × 25 mm			8WA1891

See general accessories, page 14/78 onwards

Terminals for self-fitting with components



Terminal size	1.5 mm ²
Terminal width	10 mm
Rated uninterrupted current I_u	6.3 A
Rated insulation voltage U_i	500 V
Connection capacity, rigid	1 ... 2.5 mm ²
Connection capacity, flexible with end sleeve	0.75 ... 1.5 mm ²
Tightening torque	0.8 Nm



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

Special accessories

Plugs for components



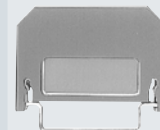
Version	Article No.
With PCB and inscription label (20 × 9 mm)	8WA1822-7EE00

See general accessories, page 14/78 onwards

Diode terminals



Terminal size	2.5 mm ²
Terminal width	6 mm
Rated uninterrupted current I_u	1 A
Rated insulation voltage U_{RRM}	250 V
Peak blocking voltage	1000 V
Connection capacity, rigid	0.5 ... 4 mm ²
Connection capacity, flexible without end sleeve	0.5 ... 2.5 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 1.5 mm ²
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

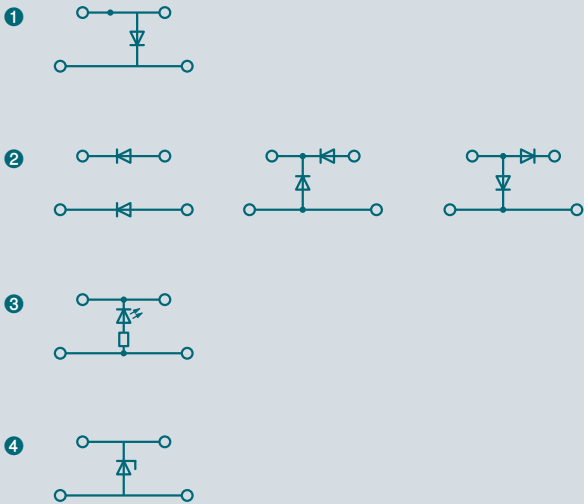


Color	Article No.
● Gray	8WA1820

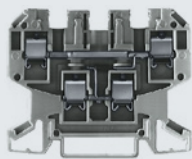
See general accessories, page 14/78 onwards

8WA1 screw terminals

Two-tier diode terminals



Terminal size	4 mm ²
Terminal width	6.5 mm
Rated uninterrupted current I _u	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 mm ²
Connection capacity, flexible without end sleeve	0.5 ... 4 mm ²
Connection capacity, flexible with end sleeve	0.5 ... 4 mm ²
Tightening torque	0.5 Nm
Standard	SI



Versions	Bridging	Color	
1 With one diode			
Let-through from top to bottom	Not possible	● Gray	–
2 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	–
3 With red LED			
Without diode for voltage limitation		● Gray	–
4 With Zener diode			
Let-through from bottom to top		● Gray	–

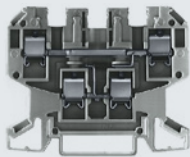
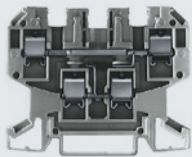
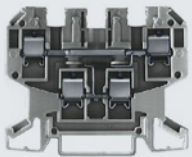
Special accessories

End plates

Color	Article No.
● Gray	8WA1817

See general accessories, page 14/78 onwards

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

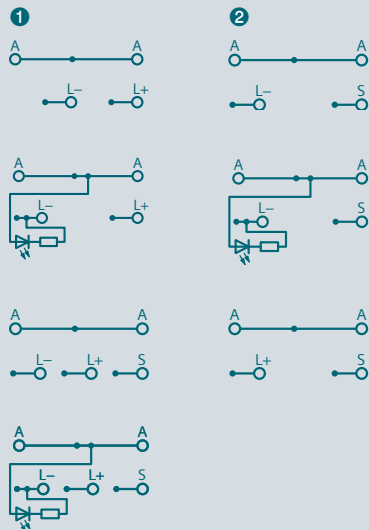


8WA1011-6EG20	–	–
–	–	–
8WA1011-6EG23	–	–
8WA1011-6EG24	–	–
–	8WA1011-6EG25	–
–	–	8WA1011-6EG44

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

8WA2 spring-loaded terminals

Initiator/actuator terminals



Terminal size

1.5 mm²

Terminal width 5 mm

Rated current I_n 10 A

Rated voltage U_e 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	
① 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
② Actuator terminal				
PNP	L-, S, A	–	● Light gray	8WA2011-3KE31
		Yellow, 15 ... 30 V DC	● Light gray	8WA2011-3KE33
NPN	L+, S, A	–	● Light gray	8WA2011-3KE30

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 feeder terminal	47 mm	65 mm	● Black	8WA2011-3KE50	
For 16 initiator/actuator terminals, one feeder terminal and space for one terminal for further bridging for subsequent module	93 mm	65 mm	● Black	8WA2011-3KE51	

See general accessories, page 14/78 onwards

Feeder terminals for initiator/actuator terminals



Terminal size	1.5 mm ²
Terminal width	5 mm
Rated current I _n	10 A
Rated voltage U _e	65 V
Current consumption with LED	4.8 mA
AWG	22 ... 16
AWG	28 ... 16
Connection capacity, rigid	0.08 ... 1.5 mm ²
Connection capacity, flexible with end sleeve	0.2 ... 1.5 mm ²
Standard	



Version	Conductors ¹⁾	LED	Color	
Feeder 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 feeder terminal	47 mm	65 mm	Black	8WA2011-3KE50
	For 16 initiator/actuator terminals, one feeder terminal and space for one terminal for further bridging for subsequent module	93 mm	65 mm	Black	8WA2011-3KE51

See general accessories, page 14/78 onwards

Accessories for 8WA terminal blocks

Individual labeling system

Labeling systems for

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

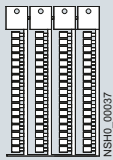
The inscription labels can be inscribed with Murrplastik labeling systems or by hand.

The WIN designation facilitates assignment in the inscription software.

Labeling systems available from:

Murrplastik Systemtechnik GmbH
Postfach 1143
D-71570 Oppenweiler
Telephone: 07191-482-0
email: info@murrplastik.de

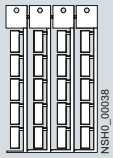
Blank labels



- 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

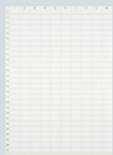
Snap-on device labels



- 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

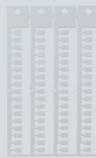


- For identification of, e.g. modular installation devices and switch disconnectors

Versions	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

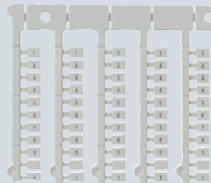
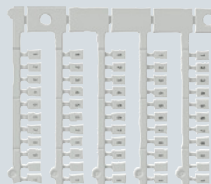
Standard labeling system

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

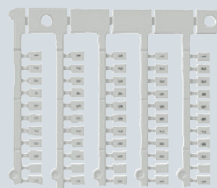
	Text alignment	Inscription	Scope of supply	Article No.
	Horizontal	1 ... 5	3 cards each with 13× (1 ... 5) + 1× (1 ... 3)	8WA8360-0BA
		6 ... 10	3 cards each with 13× (6 ... 10) + 1× (6 ... 8)	8WA8360-0BB
		11 ... 15	3 cards each with 13× (11 ... 15) + 1× (11 ... 13)	8WA8360-0BC
		16 ... 20	3 cards each 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

Accessories for 8WA terminal blocks

Standard labeling system

Labels, with inscription (continued)

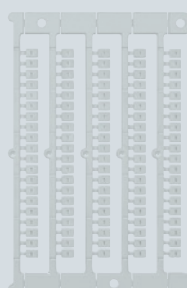
- Label size 5 × 7 mm, font height 2 mm



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

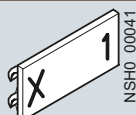
End labeling plates



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

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

Mounting width

10 mm

Article No.

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)

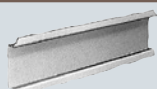
Mounting width

10.3 mm

Article No.

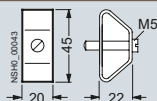
8WA1805

Standard mounting rail



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

Spacer brackets



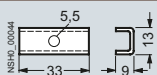
Version

For raised mounting of terminal strips

Article No.

8WA753

Spacers



Version

For raised mounting of terminal strips

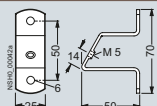
Drill hole

5.5 mm

Article No.

8WA752

Mounting brackets



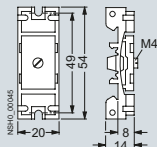
Version

For support rails

Article No.

8WA746

Insulation carriers



Version

For insulated mounting of support rails onto plates, frame profiles and standard mounting rails EN 50022-35

Article No.

8WA1857

Conditions of sale and delivery

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- 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 „General Terms and Conditions for Consulting Services of the Division DF – Germany“¹⁾ and/or
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- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
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- for consulting services the „General Terms and Conditions for Consulting Services of the Division DF – Germany“¹⁾ and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products“¹⁾ supplemented by „Software Licensing Conditions“¹⁾

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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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Errors excepted and subject to change without prior notice.

Link directory

Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/lowvoltage/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAX download manager	www.siemens.com/lowvoltage/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Brochures / catalogs	www.siemens.com/lowvoltage/catalogs
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Siemens Industry Online Support	www.siemens.com/lowvoltage/product-support
Siemens Industry Online Support app	www.siemens.com/support-app
My Documentation Manager (MDM)	www.siemens.com/lowvoltage/mdm
Configurators	www.siemens.com/lowvoltage/configurators
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Local contacts	www.siemens.com/lowvoltage/contact
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Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

Catalogs and further information



LV 10 Low-Voltage Power Distribution and Electrical Installation Technology SENTRON • SIVACON • ALPHA

Protection, Switching, Measuring and
Monitoring Devices, Switchboards and
Distribution Systems

PDF (E86060-K8280-A101-B2-7600)



LV 14 Power Monitoring Made Simple SENTRON

E86060-K1814-A101-A7-7600



LV 18 Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification SENTRON

PDF (E86060-K8280-E347-A5-7600)



ET D1 Switches and Socket Outlets DELTA

PDF



IC 10 Industrial Controls SIRIUS

E86060-K1010-A101-B1-7600



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Siemens TIA Selection Tool for the selection, configuration and ordering of TIA products and devices

www.siemens.com/tst



Training for Industry SITRAIN

www.siemens.com/sitrain

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