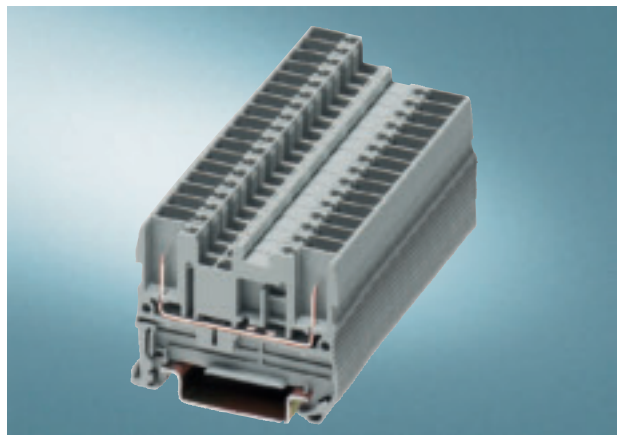


ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Combination Plug-In Terminals

Through-type and PE terminals

Overview



To the combination plug-in terminals' through-type terminals, plugs can be connected at both sides, making the combination plug-in terminals system even more flexible and allowing the terminals to be used as connecting elements between modules.

Connectors with a terminal size of 2.5 mm² are used, so that the familiar accessories, such as latches, strain relief and shield connectors can be used.

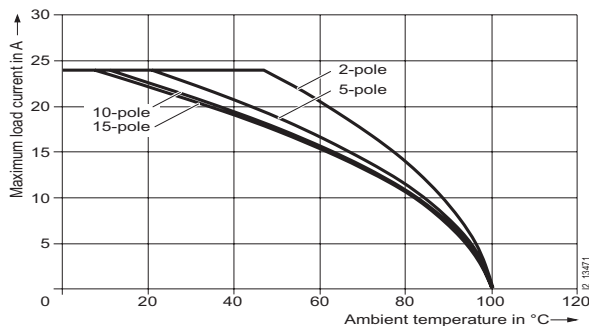
For the base terminals, PE terminals with the same contour are available, which can be simply snapped onto the mounting rail to establish a connection to ground potential.

3

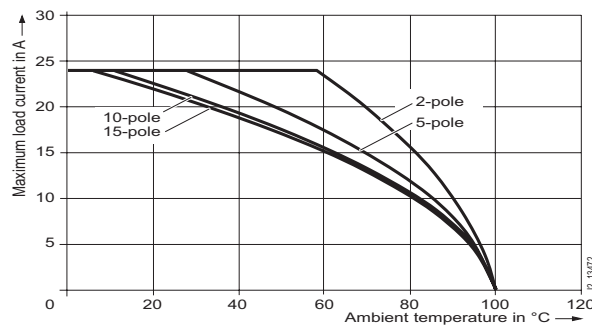
Technical specifications

	8WH5 000-0AF00 / -0AF01	8WH5 004-0AF00 / -0AF01	8WH5 000-0CF07	8WH5 004-0CF07
Dimensions				
• Width / length / width of cover in mm	5.2 / 48.5 / 2.2	5.2 / 89.5 / 2.2	5.2 / 48.5 / 2.2	5.2 / 89.5 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	36.5 / 44	36.5 / 44	36.5 / 44	36.5 / 44
Technical specifications according to IEC/DIN VDE				
• Max. load current ¹⁾ per cross-section in A/mm ²	24 / 4	24 / 4	-	-
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3	-	-	-
• Overvoltage category/insulating group - / -	III / I	-	-	-
Connection capacities				
• Flexible with ferrule with plastic sleeve in mm ²	0.25 ... 2.5	-	-	-
• Flexible without ferrule with plastic sleeve in mm ²	0.25 ... 2.5	-	-	-
• Flexible with TWIN ferrule with plastic sleeve in mm ²	0.5	-	-	-
Insulation type	PA	-	-	-
• Flammability class according to UL 94	V0	-	-	-
Approval data (UL/CUL and CSA)				
• Nominal voltage/current / cable sizes - UL/CUL: in V/A / AWG	300 / 20 / -	-	- / - / - See section <i>Plugs</i>	- / - / -
- CSA: in V/A / AWG	-	-	-	-
Mounting rail/protective conductor busbars	-	-	-	See section <i>Mounting rails</i>

¹⁾ For higher temperatures and/or multipin combination plug-in terminals a derating as for load current is necessary.



Derating curve for 8WH5 000-0AF00








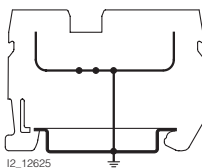
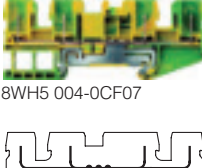
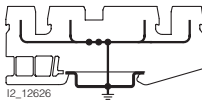
Derating curve for 8WH5 004-0AF00

ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Combination Plug-In Terminals

Through-type and PE terminals








Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
Terminal size 2.5 mm²				
	Through-type terminals, terminal size 2.5 mm²			
8WH5 000-0AF00	<ul style="list-style-type: none"> Terminal width 5.2 mm •  US • IEC 61984 <ul style="list-style-type: none"> - I = 24 A - U = 500 V 			
	Versions			
8WH5 004-0AF00	<ul style="list-style-type: none"> • Gray <ul style="list-style-type: none"> - Two connection points - Four connection points • Blue <ul style="list-style-type: none"> - Two connection points - Four connection points 			
	8WH5 000-0AF00		044	50
	8WH5 004-0AF00		044	50
	8WH5 000-0AF01		044	50
	8WH5 004-0AF01		044	50
	Note			
	On terminal with four connection points, the total current through all connected conductors must not exceed the max. load current.			
	Accessories	Section	Page	
	Compartment partitions for terminal size 1.5 to 4 mm²			
	• For two connection points	Accessories 3/7	8WH9 070-0AA00	044 50
	• For four connection points	Accessories 3/7	8WH9 070-0HA00	044 50
	Cover plates, for terminal size 2.5 mm²			
	• Two connection points	Accessories 3/7	8WH9 000-1GA00	044 50
	• Four connection points	Accessories 3/7	8WH9 000-4NA00	044 50
	Cover segments, for terminal size 2.5 mm² and four connection points			
	Accessories 3/7	8WH9 000-1LA00	044	50
	Connecting combs, for terminal width 5.2 mm			
	• 2-pole	Accessories 3/7	8WH9 020-6BC10	044 50
	• 3-pole	Accessories 3/7	8WH9 020-6BD10	044 50
	• 4-pole	Accessories 3/7	8WH9 020-6BE10	044 50
	• 5-pole	Accessories 3/7	8WH9 020-6BF10	044 50
	• 10-pole	Accessories 3/7	8WH9 020-6BL10	044 10
	• 20-pole	Accessories 3/7	8WH9 020-6BS10	044 10
	• 50-pole	Accessories 3/7	8WH9 020-6BT10	044 10
Through-type PE terminals, terminal size 2.5 mm²				
	<ul style="list-style-type: none"> Green-yellow Terminal width 5.2 mm •  US • IEC 61984 			
8WH5 000-0CF07	Versions			
	<ul style="list-style-type: none"> • Two connection points • Four connection points 			
	8WH5 000-0CF07		044	50
	8WH5 004-0CF07		044	50
	Accessories			
8WH5 000-0CF07	Compartment partitions for terminal size 1.5 to 4 mm²			
	• For two connection points	Accessories 3/7	8WH9 070-0AA00	044 50
	• For four connection points	Accessories 3/7	8WH9 070-0HA00	044 50
	Cover plates, for terminal size 2.5 mm²			
	• Two connection points	Accessories 3/7	8WH9 000-1GA00	044 50
	• Four connection points	Accessories 3/7	8WH9 000-4NA00	044 50
	Cover segments, for terminal size 2.5 mm² and four connection points			
	Accessories 3/7	8WH9 000-1LA00	044	50
	Connecting combs, for terminal width 5.2 mm			
	• 2-pole	Accessories 3/7	8WH9 020-6BC10	044 50
	• 3-pole	Accessories 3/7	8WH9 020-6BD10	044 50
	• 4-pole	Accessories 3/7	8WH9 020-6BE10	044 50
	• 5-pole	Accessories 3/7	8WH9 020-6BF10	044 50
	• 10-pole	Accessories 3/7	8WH9 020-6BL10	044 10
	• 20-pole	Accessories 3/7	8WH9 020-6BS10	044 10
	• 50-pole	Accessories 3/7	8WH9 020-6BT10	044 10
				
8WH5 004-0CF07				
				
8WH5 004-0CF07				

ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Combination Plug-In Terminals

Through-type and PE terminals

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
Accessories				
 8WH9 070-0AA00	Compartment partitions, for terminal size 1.5 to 4 mm² • For visual and electrical separation of terminal groups • 2 mm thick			
	Versions • For two connection points Accessories 3/7 • For four connection points Accessories 3/7	8WH9 070-0AA00 8WH9 070-0HA00		044
 8WH9 000-1LA00	Cover segments, for terminal size 2.5 mm² and four connection points • Gray • For covering multi-wire terminals when mounting two-wire terminals side-by-side	8WH9 000-1LA00	044	50
 8WH9 000-4NA00	Cover plates, for terminal size 2.5 mm² Gray • Two connection points • Four connection points	8WH9 000-1GA00 8WH9 000-4NA00	044	50
 8WH8 120-2AB05  8WH8 120-2AA15	Labeling plates, front, for terminal width 5.2 mm, horizontal inscription • Incremental numbering - 1 to 10 (10x) - 11 to 20 (10x) - 21 to 30 (10x) - 31 to 40 (10x) - 41 to 50 (10x) - 51 to 60 (10x) - 61 to 70 (10x) - 71 to 80 (10x) - 81 to 90 (10x) - 91 to 100 (10x) • L1/L2/L3/N/PE • Custom inscription	8WH8 120-2AB05 8WH8 120-2AB15 8WH8 120-2AB25 8WH8 120-2AB35 8WH8 120-2AB45 8WH8 120-2AB55 8WH8 120-2AB65 8WH8 120-2AB75 8WH8 120-2AB85 8WH8 120-2AC05 8WH8 120-2AA15 8WH8 120-2XA05	044	100
 8WH8 140-2AB05	Labeling plates, front, for terminal width 5.2 mm, vertical inscription • Incremental numbering - 1 to 10 (10x) - 11 to 20 (10x) - 21 to 30 (10x) - 31 to 40 (10x) - 41 to 50 (10x) - 51 to 60 (10x) - 61 to 70 (10x) - 71 to 80 (10x) - 81 to 90 (10x) - 91 to 100 (10x) • Custom inscription	8WH8 140-2AB05 8WH8 140-2AB15 8WH8 140-2AB25 8WH8 140-2AB35 8WH8 140-2AB45 8WH8 140-2AB55 8WH8 140-2AB65 8WH8 140-2AB75 8WH8 140-2AB85 8WH8 140-2AC05 8WH8 140-2XA05	044	100
 8WH8 110-2AA05	Labeling plates, front, for terminal width 5.2 mm, blank	8WH8 110-2AA05	044	100
	Connecting combs, for terminal width 5.2 mm • 2-pole • 3-pole • 4-pole • 5-pole • 10-pole • 20-pole • 50-pole	8WH9 020-6BC10 8WH9 020-6BD10 8WH9 020-6BE10 8WH9 020-6BF10 8WH9 020-6BL10 8WH9 020-6BS10 8WH9 020-6BT10	044	50

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