

ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Combination Plug-In Terminals

Hybrid isolating blade terminals

Overview

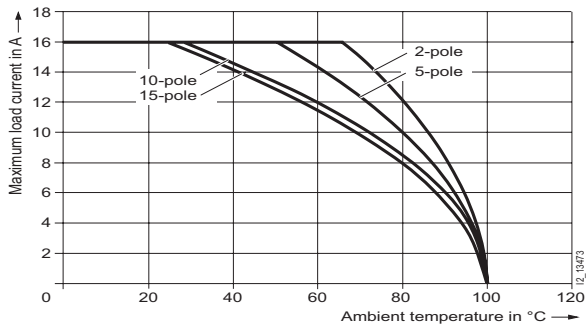


Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control. Isolating blade terminals excel with their narrow width of only 5.2 mm and their high current load rating of 16 A. On both sides of the isolating point, Ø 2.3 mm test adapters can be fitted. A special feature of this terminal type is its three comb slots: the two slots that all 8WH2 and 8WH5 terminals have in common and an additional one on the other side of the isolating point.

Technical specifications

	8WH5 103-6EF00
Dimensions	
• Width / length / width of cover in mm	5.2 / 81 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	36.5 / 44
Technical specifications according to IEC/DIN VDE	
• Max. load current ¹⁾ per cross-section in A/mm ²	16 / 4
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3
• Overvoltage category/insulating group - / -	III / I
Connection capacity	
• 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
Stripped length	10
Plug gage (IEC 60947-1)	A3
Insulation type	
• Flammability class according to UL 94	PA V0
Approval data (UL/CUL and CSA)	
• Nominal voltage/current / cable sizes	600 / 20 / 28-12
- UL/CUL: in V/A / AWG	-
- CSA: in V/A / AWG	-

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



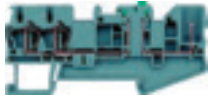
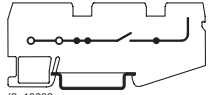

Derating curve for 8WH5 103-6EF00

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Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit	
		1 unit		Unit(s)	
Terminal size 2.5 mm²					
 <p>8WH5 103-6EF00</p>  <p>I2_12632 8WH5 103-6EF00</p>	Hybrid isolating blade terminals, terminal size 2.5 mm² <ul style="list-style-type: none"> • Gray • Terminal width 5.2 mm • With three connection points (2 × spring-loaded connection, 1 × combination plug-in terminal connection) • IEC 61984 <ul style="list-style-type: none"> - Solid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 16 A - U = 400 V 		8WH5 103-6EF00	044	50
Accessories		Section	Page		
Compartment partitions for terminal size 1.5 to 4 mm² and four connection points		Accessories	3/17	8WH9 070-0HA00	044 50
Cover plates, for terminal size 2.5 mm² and four connection points		Accessories	3/17	8WH9 000-4LA00	044 50
Connecting combs, for terminal width 5.2 mm					
• 2-pole	Accessories	3/17	8WH9 020-6BC10	044	50
• 3-pole	Accessories	3/17	8WH9 020-6BD10	044	50
• 4-pole	Accessories	3/17	8WH9 020-6BE10	044	50
• 5-pole	Accessories	3/17	8WH9 020-6BF10	044	50
• 10-pole	Accessories	3/17	8WH9 020-6BL10	044	10
• 20-pole	Accessories	3/17	8WH9 020-6BS10	044	10
• 50-pole	Accessories	3/17	8WH9 020-6BT10	044	10
Accessories					
Compartment partitions, for terminal size 1.5 to 4 mm² and four connection points				8WH9 070-0HA00	044 50
<ul style="list-style-type: none"> • For visual and electrical separation of terminal groups • 2 mm thick 					
Cover plates, for terminal size 2.5mm² and four connection points				8WH9 000-4LA00	044 50
 <p>8WH9 000-4LA00</p>					
Connecting combs, for terminal width 5.2 mm					
• 2-pole			8WH9 020-6BC10	044	50
• 3-pole			8WH9 020-6BD10	044	50
• 4-pole			8WH9 020-6BE10	044	50
• 5-pole			8WH9 020-6BF10	044	50
• 10-pole			8WH9 020-6BL10	044	10
• 20-pole			8WH9 020-6BS10	044	10
• 50-pole			8WH9 020-6BT10	044	10
Labeling plates, front, for terminal width 5.2 mm, horizontal inscription	Accessories	6/10	8WH8 120-2AB..	044	10
Labeling plates, front, for terminal width 5.2 mm, vertical inscription	Accessories	6/10	8WH8 140-2AB..	044	10
Labeling plates, front, for terminal width 5.2 mm, blank	Accessories	6/10	8WH8 110-2AA05	044	10
Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription	Accessories	6/10	8WH8 121-2AB..	044	10
Labeling plates, flat, for terminal width 5.2 mm, vertical inscription	Accessories	6/10	8WH8 141-2AB..	044	10
Labeling plates, flat, for terminal width 5.2 mm, blank	Accessories	6/10	8WH8 111-2AA05	044	10