

ALPHA FIX Terminal Blocks

ALPHA FIX 8WA and 8WH Terminals with Spring-Loaded Connection

8WH compact two-tier terminals

Overview



The product range of the two-tier terminals is rounded off by the compact two-tier version with nominal cross-sections 2.5 and 4 mm².

With the potentials routed in a 5.2 mm grid through two tiers, the compact two-tier terminals require 50 % less space in the control cabinet. Two bridge slots and two facilities for large inscriptions in the center of the terminal are integrated.

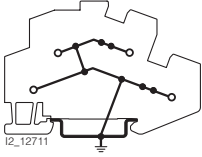





Technical specifications

	8WH2 520-0AF00 / -0AF01	8WH2 520-0CF07	8WH2 520-0AG00 / -0AG01	8WH2 520-0CG07
Dimensions				
• Width / length / width of cover in mm	5.2 / 78 / 2.2	5.2 / 78 / 2.2	6.2 / 83.5 / 2.2	6.2 / 92.4 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	54.5 / 62	54.5 / 62	47.5 / 55	54.5 / 62
Technical specifications acc. to IEC/DIN VDE				
• Max. load current per cross-section in A / mm ²	26 / 4	-	32 / 6	-
• Rated impulse withstand voltage/degree of pollution 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		0.25 ... 4	
• Flexible with ferrule without plastic sleeve in mm ²	0.25 ... 2.5		0.25 ... 4	
• Flexible with TWIN ferrule with plastic sleeve in mm ²	0.5		0.5 ... 1	
Stripped length in mm	10			
Plug gage (IEC 60947-1)	A3		A4	
Insulation type	PA			
• Flammability class acc. to UL 94	V0			
Approval data (UL/CUL and CSA)				
• Nominal voltage/current / cable sizes			Applied for	Applied for
- UL/CUL: in V/A / AWG	300 / 20 / 26-12	- / - / 26-12		
- CSA: in V/A / AWG	-			
Mounting rails/protective conductor busbars	-	See section Mounting rails	-	See section Mounting rails

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Version	Order No.	Price	PG	PS* P. unit		
		1 unit		Unit(s)		
 <p>8WH2 520-0CG07</p>	Compact two-tier PE terminals, terminal size 4 mm²		044	50		
	<ul style="list-style-type: none"> Terminal width 6.2 mm IEC 60947-7-2 <ul style="list-style-type: none"> Rigid 0.08 - 6 mm² Flexible 0.08 - 4 mm² AWG 28-10 					
	Accessories	Section	Page			
	Compartment partitions, for terminal size 1.5 to 4 mm²		Accessories	2/108	8WH9 070-0BA00	044 50
	Lateral mounting test plugs, for terminal width 6.2 mm		Accessories	2/108	8WH9 010-0FB02	044 10
	Covers, for terminal size 4 mm² and compact design		Accessories	2/108	8WH9 003-1KA00	044 50
	Connecting combs, for terminal width 6.2 mm					
	• 2-pole	Accessories	2/109	8WH9 020-6CC10	044 50	
	• 3-pole	Accessories	2/109	8WH9 020-6CD10	044 50	
	• 4-pole	Accessories	2/109	8WH9 020-6CE10	044 50	
• 5-pole	Accessories	2/109	8WH9 020-6CF10	044 50		
• 10-pole	Accessories	2/109	8WH9 020-6CL10	044 10		
• 20-pole	Accessories	2/109	8WH9 020-6CS10	044 10		
• 50-pole	Accessories	2/109	8WH9 020-6CT10	044 10		
Accessories						
 <p>8WH9 070-0BA00</p>	Compartment partitions, for terminal size 1.5 to 4 mm²		044	50		
 <p>8WH9 010-0DB02</p>	Lateral mounting test plugs for individual assembly of test plug strips					
	<ul style="list-style-type: none"> For terminal width 5.2 mm For terminal width 6.2 mm 		8WH9 010-0EB02	044 10		
			8WH9 010-0FB02	044 10		
Covers						
<ul style="list-style-type: none"> Gray For terminal size 2.5 mm² and compact design For terminal size 4 mm² and compact design 						
			8WH9 000-1KA00	044 50		
			8WH9 003-1KA00	044 50		
 <p>8WH8 120-2AB05</p>  <p>8WH8 120-2AA15</p>	Labeling plates, front, for terminal width 5.2 mm, horizontal inscription					
	<ul style="list-style-type: none"> Incremental numbering <ul style="list-style-type: none"> 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 Customized inscription 					
			8WH8 120-2AB05	044 100		
			8WH8 120-2AB15	044 100		
			8WH8 120-2AB25	044 100		
			8WH8 120-2AB35	044 100		
			8WH8 120-2AB45	044 100		
			8WH8 120-2AB55	044 100		
			8WH8 120-2AB65	044 100		
			8WH8 120-2AB75	044 100		
			8WH8 120-2AB85	044 100		
			8WH8 120-2AC05	044 100		
			8WH8 120-2AA15	044 100		
			8WH8 120-2XA05	044 100		
	 <p>8WH8 140-2AB05</p>	Labeling plates, front, for terminal width 5.2 mm, vertical inscription				
<ul style="list-style-type: none"> Incremental numbering <ul style="list-style-type: none"> 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) Customized inscription 						
		8WH8 140-2AB05	044 100			
		8WH8 140-2AB15	044 100			
		8WH8 140-2AB25	044 100			
		8WH8 140-2AB35	044 100			
		8WH8 140-2AB45	044 100			
		8WH8 140-2AB55	044 100			
		8WH8 140-2AB65	044 100			
		8WH8 140-2AB75	044 100			
		8WH8 140-2AB85	044 100			
		8WH8 140-2AC05	044 100			
		8WH8 140-2XA05	044 100			
		8WH8 140-2XA05	044 100			
Labeling plates, front, for terminal width 5.2 mm, blank						
		8WH8 110-2AA05	044	100		
8WH8 110-2AA05						

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		1 unit		Unit(s)
 8WH8 120-3AB05	Labeling plates, front, for terminal width 6.2 mm, horizontal inscription <ul style="list-style-type: none"> Incremental numbering <ul style="list-style-type: none"> - 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 Customized inscription U/V/W/N/grounding 			
 8WH8 120-3AA15				
 8WH8 120-3AA25				
 8WH8 140-3AB05	Labeling plates, front, for terminal width 6.2 mm, vertical inscription <ul style="list-style-type: none"> Incremental numbering <ul style="list-style-type: none"> - 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) Customized inscription 			
 8WH8 110-3AA05	Labeling plates, front, for terminal width 6.2 mm, blank			
	Connecting combs <ul style="list-style-type: none"> For terminal width 5.2 mm <ul style="list-style-type: none"> - 2-pole - 3-pole - 4-pole - 5-pole - 10-pole - 20-pole - 50-pole For terminal width 6.2 mm <ul style="list-style-type: none"> - 2-pole - 3-pole - 4-pole - 5-pole - 10-pole - 20-pole - 50-pole 			