

ALPHA FIX Terminal Blocks

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

8WH isolating blade terminals

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Overview



Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control.

The isolating blade terminals with a nominal cross-section of 2.5 mm² excel with their narrow width of only 5.2 mm and their high current load rating of 16 A. In addition the terminals provide a test pick-off parallel to the isolating point for 2.3 mm \varnothing test plugs. Potential distributors can be conveniently built with connecting combs.

Terminals with three and four clamping points are available for multi-conductor connection. With their compact design these terminals can also be used in small terminal boxes and through their front connection arrangement they enable user-friendly wiring.

Technical specifications

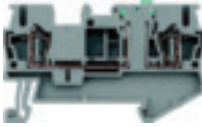

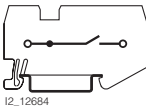

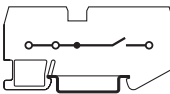

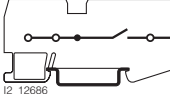


	8WH2 000-6CF00	8WH2 500-6CF00	8WH2 003-6CF00	8WH2 004-6CF00 / -6CF01	8WH2 000-6CG00
Dimensions					
• Width / length / width of cover in mm	5.2 / 60.5 / 2.2	5.2 / 51 / 2.2	5.2 / 72 / 2.2	5.2 / 84 / 2.2	6.2 / 61.5 / -
• Height (NS 35/7.5 / NS 35/15) in mm	36.5 / 44	43 / 50.5	36.5 / 44		
Technical specifications acc. to IEC/DIN VDE					
• Max. load current per cross-section in A / mm ²	16 / 4				16 / 6
• Maximum // rated data in A / mm ²	-				
• 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				
Stripped length in mm	10				
Plug gage (IEC 60947-1)	A4	A3	A4	A3	
Insulation type	PA				
• Flammability class acc. to UL 94	V0				
Approval data (UL/CUL and CSA)					
• Nominal voltage/current / cable sizes					
- UL/CUL: in V/A / AWG	600 / 16 / 26-12	600 / 16 / 24-12	600 / 16 / 26-12		300 / 6.3 / 24-10
- CSA: in V/A / AWG	-				

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Selection and ordering data







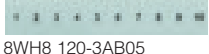


Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
Terminal size 2.5 mm²				
	Isolating blade terminals, terminal size 2.5 mm²			
8WH2 000-6CF00	<ul style="list-style-type: none"> Terminal width 5.2 mm •  US • IEC 60947-7-1 <ul style="list-style-type: none"> - Rigid 0.08 - 4 mm² - Flexible 0.08 - 2.5 mm² - AWG 28-12 - I = 16 A - U = 400 V • Screw (only for 3 and 4 clamping points) <ul style="list-style-type: none"> - Rigid 0.14 - 4 mm² - Flexible 0.14 - 2.5 mm² - AWG 26-14 			
	Versions			
8WH2 000-6CF00	<ul style="list-style-type: none"> • Gray <ul style="list-style-type: none"> - Two clamping points - Three clamping points - Four clamping points • Blue <ul style="list-style-type: none"> - Four clamping points 			
	Note			
8WH2 003-6CF00	On terminals with three and four clamping points, the total current through all connected conductors must not exceed the max. load current.			
	Accessories	Section	Page	
8WH2 003-6CF00	Compartment partitions, for terminal size 1.5 to 4 mm²			
	• Three clamping points	Accessories	2/63	8WH9 070-0GA00 044 50
	• Four clamping points	Accessories	2/63	8WH9 070-0HA00 044 50
	Lateral mounting test plugs, for terminal size 5.2 mm	Accessories	2/63	8WH9 010-0EB02 044 10
	Covers, for terminal size 2.5 mm²			
8WH2 004-6CF00	<ul style="list-style-type: none"> • For three clamping points • For four clamping points 			
	Accessories	2/63	8WH9 000-2GA00 044 50	
	Accessories	2/63	8WH9 000-4GA00 044 50	
	Cover segments, for terminal size 2.5 mm² and three or four clamping points			
8WH2 004-6CF00 / -6CF01	Accessories	2/63	8WH9 000-0GA00 044 10	
	Connecting combs, for terminal width 5.2 mm			
	• 2-pole	Accessories	2/65	8WH9 020-6BC10 044 50
	• 3-pole	Accessories	2/65	8WH9 020-6BD10 044 50
	• 4-pole	Accessories	2/65	8WH9 020-6BE10 044 50
	• 5-pole	Accessories	2/65	8WH9 020-6BF10 044 50
	• 10-pole	Accessories	2/65	8WH9 020-6BL10 044 10
	• 20-pole	Accessories	2/65	8WH9 020-6BS10 044 10
	• 50-pole	Accessories	2/65	8WH9 020-6BT10 044 10
Terminal size 4 mm²				
	Isolating blade terminals, terminal size 4 mm², two clamping points			
8WH2 000-6CG00	<ul style="list-style-type: none"> Gray Terminal width 6.2 mm •  US • IEC 60947-7-1 <ul style="list-style-type: none"> - Rigid 0.08 - 6 mm² - Flexible 0.08 - 4 mm² - AWG 28-10 - I = 16 A - U = 400 V • Enclosed on both sides 			
	Accessories	Section	Page	
	Compartment partitions, for terminal size 1.5 to 4 mm² and two clamping points			
	Accessories	2/63	8WH9 070-0AA00 044 50	
	Lateral mounting test plugs, for terminal size 6.2 mm²			
	Accessories	2/63	8WH9 010-0FB02 044 10	
	Connecting combs, for terminal width 6.2 mm			
	• 2-pole	Accessories	2/65	8WH9 020-6CC10 044 50
	• 3-pole	Accessories	2/65	8WH9 020-6CD10 044 50
	• 4-pole	Accessories	2/65	8WH9 020-6CE10 044 50
	• 5-pole	Accessories	2/65	8WH9 020-6CF10 044 50
	• 10-pole	Accessories	2/65	8WH9 020-6CL10 044 10
	• 20-pole	Accessories	2/65	8WH9 020-6CS10 044 10
	• 50-pole	Accessories	2/65	8WH9 020-6CT10 044 10

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Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)
Accessories				
 <p>8WH9 070-0AA00</p>	Compartment partitions, for terminal size 1.5 to 4 mm² <ul style="list-style-type: none"> • Two clamping points • Three clamping points • Four clamping points 	8WH9 070-0AA00 8WH9 070-0GA00 8WH9 070-0HA00	044 044 044	50 50 50
	Lateral mounting test plugs, for terminal size 5.2 mm	8WH9 010-0EB02	044	10
	Covers, for terminal size 2.5 mm² <ul style="list-style-type: none"> • For three clamping points • For four clamping points 	8WH9 000-2GA00 8WH9 000-4GA00	044 044	50 50
 <p>8WH9 000-0GA00</p>	Cover segments, for terminal size 2.5 mm² and three or four clamping points	8WH9 000-0GA00	044	10
 <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 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	044 044 044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100 100 100
 <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 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	044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100
 <p>8WH8 110-2AA05</p>	Labeling plates, front, for terminal width 5.2 mm, blank	8WH8 110-2AA05	044	100
 <p>8WH8 120-3AB05</p>  <p>8WH8 120-3AA15</p>  <p>8WH8 120-3AA25</p>	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 120-3AB05 8WH8 120-3AB15 8WH8 120-3AB25 8WH8 120-3AB35 8WH8 120-3AB45 8WH8 120-3AB55 8WH8 120-3AB65 8WH8 120-3AB75 8WH8 120-3AB85 8WH8 120-3AC05 8WH8 120-3AA15 8WH8 120-3XA05 8WH8 120-3AA25	044 044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100 100

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Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)	
 <p>8WH8 140-3AB05</p>	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 140-3AB05			044	100
	8WH8 140-3AB15			044	100
	8WH8 140-3AB25			044	100
	8WH8 140-3AB35			044	100
	8WH8 140-3AB45			044	100
	8WH8 140-3AB55			044	100
	8WH8 140-3AB65			044	100
	8WH8 140-3AB75			044	100
	8WH8 140-3AB85			044	100
	8WH8 140-3AC05			044	100
	8WH8 140-3XA05			044	100
	Labeling plates, front, for terminal width 6.2 mm, blank				
8WH8 110-3AA05	8WH8 110-3AA05		044	100	
 <p>8WH8 121-2AB05</p>	Labeling plates, flat, 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) Custom inscription 				
	8WH8 121-2AB05	8WH8 121-2AB05		044	100
	8WH8 121-2AB15	8WH8 121-2AB15		044	100
	8WH8 121-2AB25	8WH8 121-2AB25		044	100
	8WH8 121-2AB35	8WH8 121-2AB35		044	100
	8WH8 121-2AB45	8WH8 121-2AB45		044	100
	8WH8 121-2AB55	8WH8 121-2AB55		044	100
	8WH8 121-2AB65	8WH8 121-2AB65		044	100
	8WH8 121-2AB75	8WH8 121-2AB75		044	100
	8WH8 121-2AB85	8WH8 121-2AB85		044	100
	8WH8 121-2AC05	8WH8 121-2AC05		044	100
	8WH8 121-2XA05	8WH8 121-2XA05		044	100
	Labeling plates, flat, for terminal width 5.2 mm, blank				
8WH8 111-2AA05	8WH8 111-2AA05		044	100	
 <p>8WH8 141-2AB05</p>	Labeling plates, flat, 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) Custom inscription 				
	8WH8 141-2AB05	8WH8 141-2AB05		044	100
	8WH8 141-2AB15	8WH8 141-2AB15		044	100
	8WH8 141-2AB25	8WH8 141-2AB25		044	100
	8WH8 141-2AB35	8WH8 141-2AB35		044	100
	8WH8 141-2AB45	8WH8 141-2AB45		044	100
	8WH8 141-2AB55	8WH8 141-2AB55		044	100
	8WH8 141-2AB65	8WH8 141-2AB65		044	100
	8WH8 141-2AB75	8WH8 141-2AB75		044	100
	8WH8 141-2AB85	8WH8 141-2AB85		044	100
	8WH8 141-2AC05	8WH8 141-2AC05		044	100
	8WH8 141-2XA05	8WH8 141-2XA05		044	100
	Labeling plates, flat, for terminal width 5.2 mm, blank				
8WH8 111-2AA05	8WH8 111-2AA05		044	100	
 <p>8WH8 121-3AB05</p>	Labeling plates, flat, 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) Customized inscription 				
	8WH8 121-3AB05	8WH8 121-3AB05		044	100
	8WH8 121-3AB15	8WH8 121-3AB15		044	100
	8WH8 121-3AB25	8WH8 121-3AB25		044	100
	8WH8 121-3AB35	8WH8 121-3AB35		044	100
	8WH8 121-3AB45	8WH8 121-3AB45		044	100
	8WH8 121-3AB55	8WH8 121-3AB55		044	100
	8WH8 121-3AB65	8WH8 121-3AB65		044	100
	8WH8 121-3AB75	8WH8 121-3AB75		044	100
	8WH8 121-3AB85	8WH8 121-3AB85		044	100
	8WH8 121-3AC05	8WH8 121-3AC05		044	100
	8WH8 121-3XA05	8WH8 121-3XA05		044	100
	Labeling plates, flat, for terminal width 6.2 mm, blank				
8WH8 111-3AA05	8WH8 111-3AA05		044	100	
 <p>8WH8 141-3AB05</p>	Labeling plates, flat, 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 141-3AB05	8WH8 141-3AB05		044	100
	8WH8 141-3AB15	8WH8 141-3AB15		044	100
	8WH8 141-3AB25	8WH8 141-3AB25		044	100
	8WH8 141-3AB35	8WH8 141-3AB35		044	100
	8WH8 141-3AB45	8WH8 141-3AB45		044	100
	8WH8 141-3AB55	8WH8 141-3AB55		044	100
	8WH8 141-3AB65	8WH8 141-3AB65		044	100
	8WH8 141-3AB75	8WH8 141-3AB75		044	100
	8WH8 141-3AB85	8WH8 141-3AB85		044	100
	8WH8 141-3AC05	8WH8 141-3AC05		044	100
	8WH8 141-3XA05	8WH8 141-3XA05		044	100
	Labeling plates, flat, for terminal width 6.2 mm, blank				
8WH8 111-3AA05	8WH8 111-3AA05		044	100	

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8WH isolating blade terminals

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Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
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
• For terminal width 6.2 mm				
- 2-pole	8WH9 020-6CC10		044	50
- 3-pole	8WH9 020-6CD10		044	50
- 4-pole	8WH9 020-6CE10		044	50
- 5-pole	8WH9 020-6CF10		044	50
- 10-pole	8WH9 020-6CL10		044	10
- 20-pole	8WH9 020-6CS10		044	10
- 50-pole	8WH9 020-6CT10		044	10