

ALPHA FIX Terminal Blocks

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

8WH isolating terminals

Overview



The isolating terminals are available with the same contour as the isolating blade terminals. The terminals excel with their narrow width of only 5.2 mm and their high current load rating of 16 A.

There is a test possibility for 2.3 mm \varnothing test plugs on both sides of the isolating point.

The 6.2 mm narrow isolating terminal with terminal size 4 mm² is a base terminal and is used for holding:

- Isolating plugs
- Through-type connectors
- Fused connectors
- Component connectors

Technical specifications

	8WH2 000-6AF00	8WH2 500-6AF00	8WH2 003-6AF00	8WH2 004-6AF00	8WH2 000-6AG00
Dimensions					
• Width / length / width of cover in mm	5.2 / 60.5 / 2.2	5.2 / 51 / 2.2	5.2 / 72 / 2.2	5.5 / 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
• 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)	A3				A4
Insulation type					
• Flammability class acc. to UL 94	PA				
	V0				
Approval data (UL/CUL and CSA)					
• Nominal voltage/current / cable sizes					
- UL/CUL: in V/A / AWG	300 / 16 / 26-12	300 / 16 / 24-12	300 / 16 / 26-12		300 / 6.3 / 24-10
- CSA: in V/A / AWG					


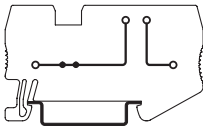

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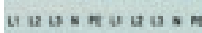


Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
Terminal size 2.5 mm²				
	Isolating terminals, terminal size 2.5 mm²			
8WH2 000-6AF00	<ul style="list-style-type: none"> • Gray • Terminal width 5.2 mm • c_{UL} • IEC 60947-7-1 <ul style="list-style-type: none"> - Rigid 0.08 - 4 mm² - Flexible 0.08 - 2.5 mm² - AWG 28-12 - Current and voltage are determined by the fitted plug - $I = 16 \text{ A}$ - $U = 400 \text{ V}$ 			
	Versions			
8WH2 000-6AF00	<ul style="list-style-type: none"> • Two clamping points • Three clamping points • Four clamping points 			
	8WH2 000-6AF00		044	50
	8WH2 003-6AF00		044	50
	8WH2 004-6AF00		044	50
	8WH9 070-0GA00		044	50
	8WH9 070-0HA00		044	50
	8WH9 040-0BB00		044	10
	8WH9 000-0GA00		044	10
	8WH9 020-8AB00		044	50
	8WH9 040-3DB08		044	10
	8WH9 020-6BC10		044	50
	8WH9 020-6BD10		044	50
	8WH9 020-6BE10		044	50
	8WH9 020-6BF10		044	50
	8WH9 020-6BL10		044	10
	8WH9 020-6BS10		044	10
	8WH9 020-6BT10		044	10
	8WH9 040-0DB04		044	50
	8WH9 070-0AA00		044	50
	8WH9 040-0BB00		044	10
	8WH9 020-8AB00		044	50
	8WH9 040-3DB08		044	10
	8WH9 020-6CC10		044	50
	8WH9 020-6CD10		044	50
	8WH9 020-6CE10		044	50
	8WH9 020-6CF10		044	50
	8WH9 020-6CL10		044	10
	8WH9 020-6CS10		044	10
	8WH9 020-6CT10		044	10
	8WH9 040-0DB04		044	50
Terminal size 4 mm²				
	Isolating terminals, terminal size 4 mm², two clamping points			
8WH2 000-6AG00	<ul style="list-style-type: none"> • Gray • Terminal width 6.2 mm • c_{UL} • IEC 60947-7-1 <ul style="list-style-type: none"> - Rigid 0.08 - 6 mm² - Flexible 0.08 - 4 mm² - AWG 28-10 - Current and voltage are determined by the fitted plug - $I = 16 \text{ A}$ - $U = 400 \text{ V}$ 			
	8WH2 000-6AG00		044	50
	8WH9 070-0AA00		044	50
	8WH9 040-0BB00		044	10
	8WH9 020-8AB00		044	50
	8WH9 040-3DB08		044	10
	8WH9 020-6CC10		044	50
	8WH9 020-6CD10		044	50
	8WH9 020-6CE10		044	50
	8WH9 020-6CF10		044	50
	8WH9 020-6CL10		044	10
	8WH9 020-6CS10		044	10
	8WH9 020-6CT10		044	10
	8WH9 040-0DB04		044	50

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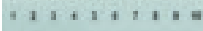

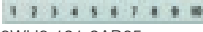

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
Accessories				
<p>Compartment partitions</p> <ul style="list-style-type: none"> For terminal size 2.5 mm² <ul style="list-style-type: none"> for three clamping points for four clamping points For terminal size 4 mm² <ul style="list-style-type: none"> for two clamping points 	<p>8WH9 070-0GA00 8WH9 070-0HA00</p>		044	50
<p>Component connectors</p> <ul style="list-style-type: none"> I_{max}: 6 A, depending on the power loss of the components, max. 1 W with single arrangement Facility for inscription with ZBF 5 	8WH9 040-0BB00		044	10
 <p>8WH9 040-0BB00</p>				
<p>Cover segments, for terminal size 1.5 and 2.5 mm² and three or four clamping points</p> <ul style="list-style-type: none"> Gray 	8WH9 000-0GA00		044	10
 <p>8WH9 000-0GA00</p>				
<p>Through-type connectors</p> <ul style="list-style-type: none"> Gray I_{max}: 16 A 	8WH9 020-8AB00		044	50
 <p>8WH9 020-8AB00</p>				
<p>Fused connectors, without LED display</p> <ul style="list-style-type: none"> Black I_{max}: 6.3 A 	8WH9 040-3DB08		044	10
 <p>8WH9 040-3DB08</p>				
<p>Labeling plates, front, for terminal width 5.2 mm, horizontal inscription</p> <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 	<p>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</p>		044	100
 <p>8WH8 120-2AB05</p>  <p>8WH8 120-2AA15</p>				
<p>Labeling plates, front, for terminal width 5.2 mm, vertical inscription</p> <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 	<p>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</p>		044	100
 <p>8WH8 140-2AB05</p>				
<p>Labeling plates, front, for terminal width 5.2 mm, blank</p>	8WH8 110-2AA05		044	100
 <p>8WH8 110-2AA05</p>				

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Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
 <p>Labeling plates, front, for terminal width 6.2 mm, horizontal inscription</p> <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 	<p>8WH8 120-3AB05</p> <p>8WH8 120-3AB15</p> <p>8WH8 120-3AB25</p> <p>8WH8 120-3AB35</p> <p>8WH8 120-3AB45</p> <p>8WH8 120-3AB55</p> <p>8WH8 120-3AB65</p> <p>8WH8 120-3AB75</p> <p>8WH8 120-3AB85</p> <p>8WH8 120-3AC05</p> <p>8WH8 120-3AA15</p> <p>8WH8 120-3XA05</p> <p>8WH8 120-3AA25</p>		<p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p>	<p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p>
 <p>Labeling plates, front, for terminal width 6.2 mm, vertical inscription</p> <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 	<p>8WH8 140-3AB05</p> <p>8WH8 140-3AB15</p> <p>8WH8 140-3AB25</p> <p>8WH8 140-3AB35</p> <p>8WH8 140-3AB45</p> <p>8WH8 140-3AB55</p> <p>8WH8 140-3AB65</p> <p>8WH8 140-3AB75</p> <p>8WH8 140-3AB85</p> <p>8WH8 140-3AC05</p> <p>8WH8 140-3XA05</p>		<p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p>	<p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p>
<p>Labeling plates, front, for terminal width 6.2 mm, blank</p>	8WH8 110-3AA05		044	100
 <p>Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription</p> <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 	<p>8WH8 121-2AB05</p> <p>8WH8 121-2AB15</p> <p>8WH8 121-2AB25</p> <p>8WH8 121-2AB35</p> <p>8WH8 121-2AB45</p> <p>8WH8 121-2AB55</p> <p>8WH8 121-2AB65</p> <p>8WH8 121-2AB75</p> <p>8WH8 121-2AB85</p> <p>8WH8 121-2AC05</p> <p>8WH8 121-2XA05</p>		<p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p>	<p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p>
 <p>Labeling plates, flat, for terminal width 5.2 mm, vertical inscription</p> <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 	<p>8WH8 141-2AB05</p> <p>8WH8 141-2AB15</p> <p>8WH8 141-2AB25</p> <p>8WH8 141-2AB35</p> <p>8WH8 141-2AB45</p> <p>8WH8 141-2AB55</p> <p>8WH8 141-2AB65</p> <p>8WH8 141-2AB75</p> <p>8WH8 141-2AB85</p> <p>8WH8 141-2AC05</p> <p>8WH8 141-2XA05</p>		<p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p> <p>044</p>	<p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p> <p>100</p>
<p>Labeling plates, flat, for terminal width 5.2 mm, blank</p>	8WH8 111-2AA05		044	100

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8WH isolating terminals

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
 8WH8 121-3AB05 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 121-3AB15 8WH8 121-3AB25 8WH8 121-3AB35 8WH8 121-3AB45 8WH8 121-3AB55 8WH8 121-3AB65 8WH8 121-3AB75 8WH8 121-3AB85 8WH8 121-3AC05 8WH8 121-3XA05		044	100
 8WH8 141-3AB05 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 141-3AB15 8WH8 141-3AB25 8WH8 141-3AB35 8WH8 141-3AB45 8WH8 141-3AB55 8WH8 141-3AB65 8WH8 141-3AB75 8WH8 141-3AB85 8WH8 141-3AC05 8WH8 141-3XA05		044	100
 8WH8 111-3AA05 Labeling plates, flat, for terminal width 6.2 mm, blank	8WH8 111-3AA05		044	100
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 	8WH9 020-6BC10 8WH9 020-6BD10 8WH9 020-6BE10 8WH9 020-6BF10 8WH9 020-6BL10 8WH9 020-6BS10 8WH9 020-6BT10 8WH9 020-6CC10 8WH9 020-6CD10 8WH9 020-6CE10 8WH9 020-6CF10 8WH9 020-6CL10 8WH9 020-6CS10 8WH9 020-6CT10		044	50
 8WH9 040-0DB04 Isolating plugs <ul style="list-style-type: none"> Orange 	8WH9 040-0DB04		044	50