

# 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 mm<sup>2</sup> 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
<b>Dimensions</b>					
• 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		
<b>Technical specifications acc. to IEC/DIN VDE</b>					
• Max. load current per cross-section in A / mm <sup>2</sup>	16 / 4				16 / 6
• Rated impulse withstand voltage/ degree of pollution in kV / -	6 / 3				
• Overvoltage category/insulating group - / -	III / I				
<b>Connection capacity</b>					
• Flexible with ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5				0.25 ... 4
• Flexible with ferrule without plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5				0.25 ... 4
• Flexible with TWIN ferrule with plastic sleeve in mm <sup>2</sup>	0.5				
<b>Stripped length in mm</b>	10				
<b>Plug gage (IEC 60947-1)</b>	A3				A4
<b>Insulation type</b>					
• Flammability class acc. to UL 94	PA				
	V0				
<b>Approval data (UL/CUL and CSA)</b>					
• 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					


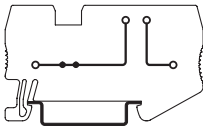

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### 8WH isolating terminals

2






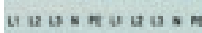


#### Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
<b>Terminal size 2.5 mm<sup>2</sup></b>				
	<b>Isolating terminals, terminal size 2.5 mm<sup>2</sup></b>			
8WH2 000-6AF00	<ul style="list-style-type: none"> <li>• Gray</li> <li>• Terminal width 5.2 mm</li> <li>• <math>c_{\text{UL}}</math></li> <li>• IEC 60947-7-1                             <ul style="list-style-type: none"> <li>- Rigid 0.08 - 4 mm<sup>2</sup></li> <li>- Flexible 0.08 - 2.5 mm<sup>2</sup></li> <li>- AWG 28-12</li> <li>- Current and voltage are determined by the fitted plug</li> <li>- <math>I = 16 \text{ A}</math></li> <li>- <math>U = 400 \text{ V}</math></li> </ul> </li> </ul>			
	<b>Versions</b>			
8WH2 000-6AF00	<ul style="list-style-type: none"> <li>• Two clamping points</li> <li>• Three clamping points</li> <li>• Four clamping points</li> </ul>			
	<b>8WH2 000-6AF00</b>		044	50
	<b>8WH2 003-6AF00</b>		044	50
	<b>8WH2 004-6AF00</b>		044	50
	<b>8WH9 070-0GA00</b>		044	50
	<b>8WH9 070-0HA00</b>		044	50
	<b>8WH9 040-0BB00</b>		044	10
	<b>8WH9 000-0GA00</b>		044	10
	<b>8WH9 020-8AB00</b>		044	50
	<b>8WH9 040-3DB08</b>		044	10
	<b>8WH9 020-6BC10</b>		044	50
	<b>8WH9 020-6BD10</b>		044	50
	<b>8WH9 020-6BE10</b>		044	50
	<b>8WH9 020-6BF10</b>		044	50
	<b>8WH9 020-6BL10</b>		044	10
	<b>8WH9 020-6BS10</b>		044	10
	<b>8WH9 020-6BT10</b>		044	10
	<b>8WH9 040-0DB04</b>		044	50
	<b>8WH9 070-0AA00</b>		044	50
	<b>8WH9 040-0BB00</b>		044	10
	<b>8WH9 020-8AB00</b>		044	50
	<b>8WH9 040-3DB08</b>		044	10
	<b>8WH9 020-6CC10</b>		044	50
	<b>8WH9 020-6CD10</b>		044	50
	<b>8WH9 020-6CE10</b>		044	50
	<b>8WH9 020-6CF10</b>		044	50
	<b>8WH9 020-6CL10</b>		044	10
	<b>8WH9 020-6CS10</b>		044	10
	<b>8WH9 020-6CT10</b>		044	10
	<b>8WH9 040-0DB04</b>		044	50
<b>Terminal size 4 mm<sup>2</sup></b>				
	<b>Isolating terminals, terminal size 4 mm<sup>2</sup>, two clamping points</b>			
8WH2 000-6AG00	<ul style="list-style-type: none"> <li>• Gray</li> <li>• Terminal width 6.2 mm</li> <li>• <math>c_{\text{UL}}</math></li> <li>• IEC 60947-7-1                             <ul style="list-style-type: none"> <li>- Rigid 0.08 - 6 mm<sup>2</sup></li> <li>- Flexible 0.08 - 4 mm<sup>2</sup></li> <li>- AWG 28-10</li> <li>- Current and voltage are determined by the fitted plug</li> <li>- <math>I = 16 \text{ A}</math></li> <li>- <math>U = 400 \text{ V}</math></li> </ul> </li> </ul>			
	<b>8WH2 000-6AG00</b>		044	50
	<b>8WH9 070-0AA00</b>		044	50
	<b>8WH9 040-0BB00</b>		044	10
	<b>8WH9 020-8AB00</b>		044	50
	<b>8WH9 040-3DB08</b>		044	10
	<b>8WH9 020-6CC10</b>		044	50
	<b>8WH9 020-6CD10</b>		044	50
	<b>8WH9 020-6CE10</b>		044	50
	<b>8WH9 020-6CF10</b>		044	50
	<b>8WH9 020-6CL10</b>		044	10
	<b>8WH9 020-6CS10</b>		044	10
	<b>8WH9 020-6CT10</b>		044	10
	<b>8WH9 040-0DB04</b>		044	50

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

### 8WH isolating terminals

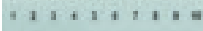
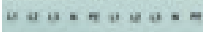






Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
<b>Accessories</b>				
	<b>Compartment partitions</b> <ul style="list-style-type: none"> <li>For terminal size 2.5 mm<sup>2</sup> <ul style="list-style-type: none"> <li>for three clamping points</li> <li>for four clamping points</li> </ul> </li> <li>For terminal size 4 mm<sup>2</sup> <ul style="list-style-type: none"> <li>for two clamping points</li> </ul> </li> </ul>	<b>8WH9 070-0GA00</b> <b>8WH9 070-0HA00</b>  <b>8WH9 070-0AA00</b>	044 044  044	50 50  50
 8WH9 040-0BB0	<b>Component connectors</b> <ul style="list-style-type: none"> <li><math>I_{max}</math>: 6 A, depending on the power loss of the components, max. 1 W with single arrangement</li> <li>Facility for inscription with ZBF 5</li> </ul>	<b>8WH9 040-0BB00</b>	044	10
 8WH9 000-0GA00	<b>Cover segments, for terminal size 1.5 and 2.5 mm<sup>2</sup> and three or four clamping points</b> <ul style="list-style-type: none"> <li>Gray</li> </ul>	<b>8WH9 000-0GA00</b>	044	10
 8WH9 020-8AB00	<b>Through-type connectors</b> <ul style="list-style-type: none"> <li>Gray</li> <li><math>I_{max}</math>: 16 A</li> </ul>	<b>8WH9 020-8AB00</b>	044	50
 8WH9 040-3DB08	<b>Fused connectors, without LED display</b> <ul style="list-style-type: none"> <li>Black</li> <li><math>I_{max}</math>: 6.3 A</li> </ul>	<b>8WH9 040-3DB08</b>	044	10
 8WH8 120-2AB05   8WH8 120-2AA15	<b>Labeling plates, front, for terminal width 5.2 mm, horizontal inscription</b> <ul style="list-style-type: none"> <li>Incremental numbering               <ul style="list-style-type: none"> <li>1 to 10 (10x)</li> <li>11 to 20 (10x)</li> <li>21 to 30 (10x)</li> <li>31 to 40 (10x)</li> <li>41 to 50 (10x)</li> <li>51 to 60 (10x)</li> <li>61 to 70 (10x)</li> <li>71 to 80 (10x)</li> <li>81 to 90 (10x)</li> <li>91 to 100 (10x)</li> </ul> </li> <li>L1/L2/L3/N/PE</li> <li>Customized inscription</li> </ul>	<b>8WH8 120-2AB05</b> <b>8WH8 120-2AB15</b> <b>8WH8 120-2AB25</b> <b>8WH8 120-2AB35</b> <b>8WH8 120-2AB45</b> <b>8WH8 120-2AB55</b> <b>8WH8 120-2AB65</b> <b>8WH8 120-2AB75</b> <b>8WH8 120-2AB85</b> <b>8WH8 120-2AC05</b> <b>8WH8 120-2AA15</b> <b>8WH8 120-2XA05</b>	044 044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100 100
 8WH8 140-2AB05	<b>Labeling plates, front, for terminal width 5.2 mm, vertical inscription</b> <ul style="list-style-type: none"> <li>Incremental numbering               <ul style="list-style-type: none"> <li>1 to 10 (10x)</li> <li>11 to 20 (10x)</li> <li>21 to 30 (10x)</li> <li>31 to 40 (10x)</li> <li>41 to 50 (10x)</li> <li>51 to 60 (10x)</li> <li>61 to 70 (10x)</li> <li>71 to 80 (10x)</li> <li>81 to 90 (10x)</li> <li>91 to 100 (10x)</li> </ul> </li> <li>Customized inscription</li> </ul>	<b>8WH8 140-2AB05</b> <b>8WH8 140-2AB15</b> <b>8WH8 140-2AB25</b> <b>8WH8 140-2AB35</b> <b>8WH8 140-2AB45</b> <b>8WH8 140-2AB55</b> <b>8WH8 140-2AB65</b> <b>8WH8 140-2AB75</b> <b>8WH8 140-2AB85</b> <b>8WH8 140-2AC05</b> <b>8WH8 140-2XA05</b>	044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100
 8WH8 110-2AA05	<b>Labeling plates, front, for terminal width 5.2 mm, blank</b>	<b>8WH8 110-2AA05</b>	044	100

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### 8WH isolating terminals






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Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)
 <p><b>Labeling plates, front, for terminal width 6.2 mm, horizontal inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering                             <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>L1/L2/L3/N/PE</li> <li>Customized inscription</li> <li>U/V/W/N/grounding</li> </ul>				
8WH8 120-3AB05	8WH8 120-3AB05		044	100
 <p>8WH8 120-3AA15</p>	8WH8 120-3AB15		044	100
 <p>8WH8 120-3AA25</p>	8WH8 120-3AB25		044	100
	8WH8 120-3AB35		044	100
	8WH8 120-3AB45		044	100
	8WH8 120-3AB55		044	100
	8WH8 120-3AB65		044	100
	8WH8 120-3AB75		044	100
	8WH8 120-3AB85		044	100
	8WH8 120-3AC05		044	100
	8WH8 120-3AA15		044	100
	8WH8 120-3XA05		044	100
	8WH8 120-3AA25		044	100
 <p><b>Labeling plates, front, for terminal width 6.2 mm, vertical inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering                             <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Customized inscription</li> </ul>				
8WH8 140-3AB05	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
 <p><b>Labeling plates, front, for terminal width 6.2 mm, blank</b></p>	8WH8 110-3AA05		044	100
8WH8 110-3AA05				
 <p><b>Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering                             <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Custom inscription</li> </ul>				
8WH8 121-2AB05	8WH8 121-2AB05		044	100
	8WH8 121-2AB15		044	100
	8WH8 121-2AB25		044	100
	8WH8 121-2AB35		044	100
	8WH8 121-2AB45		044	100
	8WH8 121-2AB55		044	100
	8WH8 121-2AB65		044	100
	8WH8 121-2AB75		044	100
	8WH8 121-2AB85		044	100
	8WH8 121-2AC05		044	100
	8WH8 121-2XA05		044	100
 <p><b>Labeling plates, flat, for terminal width 5.2 mm, vertical inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering                             <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Custom inscription</li> </ul>				
8WH8 141-2AB05	8WH8 141-2AB05		044	100
	8WH8 141-2AB15		044	100
	8WH8 141-2AB25		044	100
	8WH8 141-2AB35		044	100
	8WH8 141-2AB45		044	100
	8WH8 141-2AB55		044	100
	8WH8 141-2AB65		044	100
	8WH8 141-2AB75		044	100
	8WH8 141-2AB85		044	100
	8WH8 141-2AC05		044	100
	8WH8 141-2XA05		044	100
 <p><b>Labeling plates, flat, for terminal width 5.2 mm, blank</b></p>	8WH8 111-2AA05		044	100
8WH8 111-2AA05				

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### 8WH isolating terminals

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
 8WH8 121-3AB05 <b>Labeling plates, flat, for terminal width 6.2 mm, horizontal inscription</b> <ul style="list-style-type: none"> <li>Incremental numbering                         <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Customized inscription</li> </ul>	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 <b>Labeling plates, flat, for terminal width 6.2 mm, vertical inscription</b> <ul style="list-style-type: none"> <li>Incremental numbering                         <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Customized inscription</li> </ul>	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 <b>Labeling plates, flat, for terminal width 6.2 mm, blank</b>	8WH8 111-3AA05		044	100
 8WH9 020-6BC10 <b>Connecting combs</b> <ul style="list-style-type: none"> <li>For terminal width 5.2 mm                         <ul style="list-style-type: none"> <li>- 2-pole</li> <li>- 3-pole</li> <li>- 4-pole</li> <li>- 5-pole</li> <li>- 10-pole</li> <li>- 20-pole</li> <li>- 50-pole</li> </ul> </li> <li>For terminal width 6.2 mm                         <ul style="list-style-type: none"> <li>- 2-pole</li> <li>- 3-pole</li> <li>- 4-pole</li> <li>- 5-pole</li> <li>- 10-pole</li> <li>- 20-pole</li> <li>- 50-pole</li> </ul> </li> </ul>	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 <b>Isolating plugs</b> <ul style="list-style-type: none"> <li>Orange</li> </ul>	8WH9 040-0DB04		044	50