

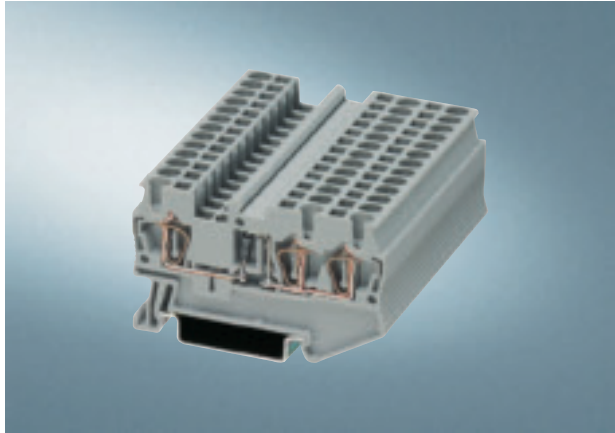
# ALPHA FIX Terminal Blocks

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

8WH diode terminals

2

### Overview



Diode terminals with a nominal cross-section of 2.5 mm<sup>2</sup> and a mounting width of just 5.2 mm can be used to implement many different switching tasks. The diode is soldered in from left to right or vice versa as required.

### Technical specifications


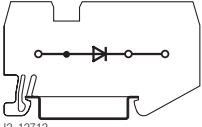
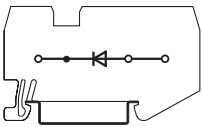



	8WH2 003-5DF00 / 8WH2 003-5CF00
<b>Dimensions</b>	
• Width / length / width of cover in mm	5.5 / 60.5 / 2.2
• Height HV-M... (NS 35/7.5 / NS 35/15) in mm	36.5 / 44
<b>Technical specifications acc. to IEC/DIN VDE</b>	
• Max. load current per cross-section in A / mm <sup>2</sup>	is determined by the diode / 4
• Rated impulse withstand voltage/degree of pollution in kV / -	4 / 3
• Overvoltage category/insulating group in - / -	III / I
<b>Connection capacity</b>	
• Flexible with ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5
• Flexible without ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5
• 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
<b>Insulation type</b>	PA
• Flammability class acc. to UL 94	V0
<b>Approval data (UL/CUL and CSA)</b>	
• Nominal voltage/current / cable sizes	600 / 20 / 26-12
- UL/CUL: V / A / AWG	-
- CSA: V / A / AWG	-

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### 8WH diode terminals

#### Selection and ordering data






Version	Order No.	Price	PG	PS* P. unit																																																												
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<b>Terminal size 2.5 mm<sup>2</sup></b>																																																																
 <p>8WH2 003-5DF00</p>  <p>I2_12712 8WH2 003-5DF00</p>  <p>I2_12713 8WH2 003-5CF00</p>	<p><b>Diode terminals, terminal size 2.5 mm<sup>2</sup>, with three clamping points</b></p> <ul style="list-style-type: none"> <li>• Uninterrupted limiting current: 0.5 A</li> <li>• Blocking voltage: 1300 V</li> <li>• Terminal width 5.2 mm</li> <li>• <math>C_{AV}</math> Us</li> <li>• Supply data <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>- <math>I</math> = the maximum current is determined by the diode</li> <li>- <math>U = 500</math> V</li> </ul> </li> <li>• With integrated diode</li> <li>• Integrated: diode 1N 4007</li> </ul> <p><b>Versions</b></p> <ul style="list-style-type: none"> <li>• Let-through from left to right</li> <li>• Let-through from right to left</li> </ul> <p><b>Accessories</b></p> <table border="1"> <thead> <tr> <th>Section</th> <th>Page</th> <th>Order No.</th> <th>PG</th> <th>PS* P. unit</th> </tr> </thead> <tbody> <tr> <td>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup> and three clamping points</td> <td>2/82</td> <td>8WH9 070-0GA00</td> <td>044</td> <td>50</td> </tr> <tr> <td>Covers, for terminal size 2.5 mm<sup>2</sup> and three clamping points</td> <td>2/82</td> <td>8WH9 000-2GA00</td> <td>044</td> <td>50</td> </tr> <tr> <td>Cover segments, for terminal size 1.5 and 2.5 mm<sup>2</sup> and three clamping points</td> <td>2/82</td> <td>8WH9 000-0GA00</td> <td>044</td> <td>10</td> </tr> <tr> <td>Connecting combs, for terminal width 5.2 mm</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>• 2-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BC10</td> <td>044</td> <td>50</td> </tr> <tr> <td>• 3-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BD10</td> <td>044</td> <td>50</td> </tr> <tr> <td>• 4-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BE10</td> <td>044</td> <td>50</td> </tr> <tr> <td>• 5-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BF10</td> <td>044</td> <td>50</td> </tr> <tr> <td>• 10-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BL10</td> <td>044</td> <td>10</td> </tr> <tr> <td>• 20-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BS10</td> <td>044</td> <td>10</td> </tr> <tr> <td>• 50-pole</td> <td>Accessories 2/83</td> <td>8WH9 020-6BT10</td> <td>044</td> <td>10</td> </tr> </tbody> </table>				Section	Page	Order No.	PG	PS* P. unit	Compartment partitions, for terminal size 1.5 to 4 mm <sup>2</sup> and three clamping points	2/82	8WH9 070-0GA00	044	50	Covers, for terminal size 2.5 mm <sup>2</sup> and three clamping points	2/82	8WH9 000-2GA00	044	50	Cover segments, for terminal size 1.5 and 2.5 mm <sup>2</sup> and three clamping points	2/82	8WH9 000-0GA00	044	10	Connecting combs, for terminal width 5.2 mm					• 2-pole	Accessories 2/83	8WH9 020-6BC10	044	50	• 3-pole	Accessories 2/83	8WH9 020-6BD10	044	50	• 4-pole	Accessories 2/83	8WH9 020-6BE10	044	50	• 5-pole	Accessories 2/83	8WH9 020-6BF10	044	50	• 10-pole	Accessories 2/83	8WH9 020-6BL10	044	10	• 20-pole	Accessories 2/83	8WH9 020-6BS10	044	10	• 50-pole	Accessories 2/83	8WH9 020-6BT10	044	10
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### 8WH diode terminals

2

Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)	
 8WH8 140-2AB05	<b>Labeling plates, front, for terminal width 5.2 mm, vertical inscription</b>				
	• Incremental numbering				
	- 1 to 10 (10x)	8WH8 140-2AB05		044	100
	- 11 to 20 (10x)	8WH8 140-2AB15		044	100
	- 21 to 30 (10x)	8WH8 140-2AB25		044	100
	- 31 to 40 (10x)	8WH8 140-2AB35		044	100
	- 41 to 50 (10x)	8WH8 140-2AB45		044	100
	- 51 to 60 (10x)	8WH8 140-2AB55		044	100
	- 61 to 70 (10x)	8WH8 140-2AB65		044	100
	- 71 to 80 (10x)	8WH8 140-2AB75		044	100
	- 81 to 90 (10x)	8WH8 140-2AB85		044	100
	- 91 to 100 (10x)	8WH8 140-2AC05		044	100
	• Customized inscription				
		8WH8 140-2XA05		044	100
 8WH8 110-2AA05	<b>Labeling plates, front, for terminal width 5.2 mm, blank</b>				
	8WH8 110-2AA05		044	100	
 8WH8 121-2AB05	<b>Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription</b>				
	• Incremental numbering				
	- 1 to 10 (10x)	8WH8 121-2AB05		044	100
	- 11 to 20 (10x)	8WH8 121-2AB15		044	100
	- 21 to 30 (10x)	8WH8 121-2AB25		044	100
	- 31 to 40 (10x)	8WH8 121-2AB35		044	100
	- 41 to 50 (10x)	8WH8 121-2AB45		044	100
	- 51 to 60 (10x)	8WH8 121-2AB55		044	100
	- 61 to 70 (10x)	8WH8 121-2AB65		044	100
	- 71 to 80 (10x)	8WH8 121-2AB75		044	100
	- 81 to 90 (10x)	8WH8 121-2AB85		044	100
	- 91 to 100 (10x)	8WH8 121-2AC05		044	100
	• Custom inscription				
		8WH8 121-2XA05		044	100
 8WH8 141-2AB05	<b>Labeling plates, flat, for terminal width 5.2 mm, vertical inscription</b>				
	• Incremental numbering				
	- 1 to 10 (10x)	8WH8 141-2AB05		044	100
	- 11 to 20 (10x)	8WH8 141-2AB15		044	100
	- 21 to 30 (10x)	8WH8 141-2AB25		044	100
	- 31 to 40 (10x)	8WH8 141-2AB35		044	100
	- 41 to 50 (10x)	8WH8 141-2AB45		044	100
	- 51 to 60 (10x)	8WH8 141-2AB55		044	100
	- 61 to 70 (10x)	8WH8 141-2AB65		044	100
	- 71 to 80 (10x)	8WH8 141-2AB75		044	100
	- 81 to 90 (10x)	8WH8 141-2AB85		044	100
	- 91 to 100 (10x)	8WH8 141-2AC05		044	100
	• Custom inscription				
		8WH8 141-2XA05		044	100
 8WH8 111-2AA05	<b>Labeling plates, flat, for terminal width 5.2 mm, blank</b>				
	8WH8 111-2AA05		044	100	
<b>Connecting combs, for terminal width 5.2 mm</b>					
• 2-pole					
• 3-pole					
• 4-pole					
• 5-pole					
• 10-pole					
• 20-pole					
• 50-pole					
	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	