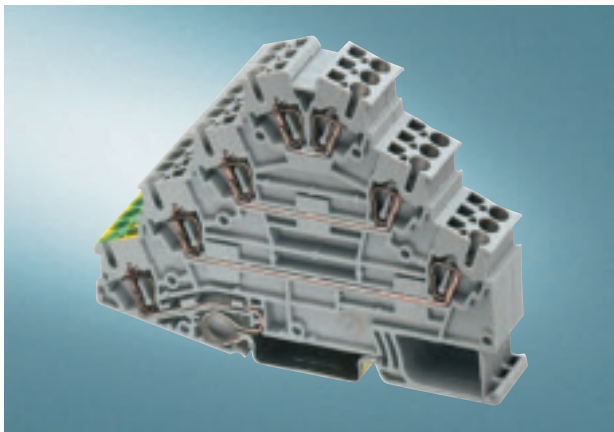


# ALPHA FIX Terminal Blocks

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

### 8WH four-tier motor terminals

#### Overview



#### Terminal size 2.5 mm<sup>2</sup>

The four-tier motor terminal with terminal size 2.5 mm<sup>2</sup> is particularly suited for the compact wiring of three-phase loads. It has three through-type tiers and a PE terminal which makes contact when it is simply snapped onto the mounting rail.

Each clamping point has a facility for inscription and a test possibility for 2.3 mm Ø test plugs.

A large marking in the center of the terminal is possible in addition.

#### Terminal size 4 mm<sup>2</sup>

Like the 2.5 mm<sup>2</sup> version, the four-tier motor terminal with 4 mm<sup>2</sup> also enables three phases and the PE to be wired in one terminal.






#### Integrated PE/ground conductor function

PE contact with the mounting rail is made by simply snapping the terminal onto the rail. Hence the four-tier motor terminal with terminal size 4 mm<sup>2</sup> is particularly suited for the space-saving wiring of three-phase loads.

#### Technical specifications

	8WH2 040-4LF00	8WH2 040-4LG00
<b>Dimensions</b>		
• Width / length / width of cover in mm	5.2 / 98.5 / 2.2	6.2 / 101 / -
• Height (NS 35/7.5 / NS 35/15) in mm	73.5 / 81	83.5 / 91
<b>Technical specifications acc. to IEC/DIN VDE</b>		
• Max. load current per cross-section in A / mm <sup>2</sup>	26 / 4	32 / 6
• Rated impulse withstand voltage/degree of pollution in kV / -	8 / 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 ... 1
<b>Stripped length in mm</b>	10	
<b>Plug gage (IEC 60947-1)</b>	A3	A4
<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		
- UL/CUL: in V/A / AWG	- / - / 26-12	-
- CSA: in V/A / AWG		600 / 30 / 28-10

#### 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>Four-tier motor terminals, terminal size 2.5 mm<sup>2</sup></b> <ul style="list-style-type: none"> <li>• Terminal width 5.2 mm</li> <li>•    </li> <li>• IEC 60947-7-1 and IEC 60947-7-2 <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>- I = 26 A</li> <li>- U = 800 V</li> </ul> </li> </ul>	<b>8WH2 040-4LF00</b>		044	50
<b>Accessories</b>				
<b>Covers, for "four-tier motor terminals, terminal size 2.5 mm<sup>2</sup>"</b>	<b>8WH9 000-1GE00</b>		044	50

# ALPHA FIX Terminal Blocks

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

### 8WH four-tier motor terminals

2

Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)
<b>Terminal size 4 mm<sup>2</sup></b>				
 <p>8WH2 040-4LG00</p>	<b>Four-tier motor terminals, terminal size 4 mm<sup>2</sup></b> <ul style="list-style-type: none"> <li>Terminal width 5.2 mm</li> <li>Ⓢ</li> <li>IEC 60947-7-1 and IEC 60947-7-2                             <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>I = 32 A</li> <li>U = 800 V</li> </ul> </li> <li>Enclosed on both sides</li> </ul>	8WH2 040-4LG00	044	50
<b>Accessories</b>				
<b>Covers, for "four-tier motor terminals, terminal size 2.5 mm<sup>2</sup>"</b>				
 <p>8WH8 120-2AB05</p>	<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>	8WH8 120-2AB05	044	100
 <p>8WH8 120-2AA15</p>	<ul style="list-style-type: none"> <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>	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>	<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>	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
 <p>8WH8 110-2AA05</p>	<b>Labeling plates, front, for terminal width 5.2 mm, blank</b>	8WH8 110-2AA05	044	100
 <p>8WH8 121-2AB05</p>	<b>Labeling plates, flat, 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>Custom inscription</li> </ul>	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>8WH8 141-2AB05</p>	<b>Labeling plates, flat, 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>Custom inscription</li> </ul>	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>8WH8 111-2AA05</p>	<b>Labeling plates, flat, for terminal width 5.2 mm, blank</b>	8WH8 111-2AA05	044	100