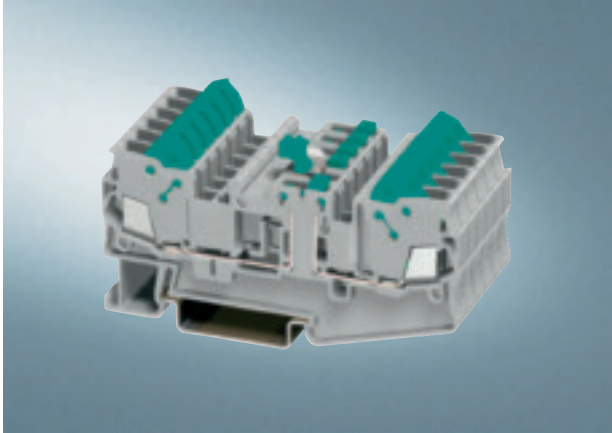


# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Insulation Displacement Terminals

### Isolating blade terminals

#### Overview



Through-type terminals with isolating capability are the most commonly used terminal types in instrumentation and control. The isolating and isolating blade terminals with insulation displacement technique have a mounting width of 6.2 mm and a current load rating of 16 A. A special feature of both terminals is three comb slots: two in the same position as in all insulation displacement and spring-loaded terminal series and an additional one on the other side of the isolating point.

The isolating blade terminal for terminal size 2.5 mm<sup>2</sup> has an integrated blade; in the case of the isolating terminal for terminal size 2.5 mm<sup>2</sup> the through-type connector, the isolating plug, the component connector and the fused connector can be used.

#### Technical specifications







	8WH3 000-6CF00 / -6CF01
<b>Dimensions</b>	
• Width / length / width of cover in mm	6.2 / 82.5 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	42.8 / 50.3
<b>Technical specifications according to IEC/DIN VDE</b>	
• Max. load current per cross-section in A/mm <sup>2</sup>	16 / 2.5
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3
• Overvoltage category/insulating group - / -	III / I
<b>Conductor cross-section according to DIN VDE 0295</b>	
• Core insulation	PVC / PE (other insulation types on request)
• Solid / stranded / finely stranded H05V-U/R/K // H07V-U/R/K in mm <sup>2</sup>	0.5 ... 1.0 // 1.5 ... 2.5
• Halogen-free H05Z-U/R/K // H07Z-U/R/K in mm <sup>2</sup>	0.5 ... 1.0 // 1.5 ... 2.5
• Finely stranded / very finely stranded - (strand $\varnothing \geq 0.1$ mm) in mm <sup>2</sup>	-
- (strand $\varnothing \geq 0.19$ mm) AWG	20-14
<b>Number of circuits</b>	
• At least 100-times same cross-section in mm <sup>2</sup>	0.5 ... 2.5
<b>Insulation type</b>	
• Flammability class according to UL 94	PA V0
<b>Approval data (UL/CUL and CSA)</b>	
• Nominal voltage/current / cable sizes - UL/CUL: in V/A / AWG - CSA: in V/A / AWG	Applied for Applied for

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Insulation Displacement Terminals

Isolating blade terminals

### 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 blade terminals, terminal size 2.5 mm<sup>2</sup></b>			
8WH3 000-6CF00	<ul style="list-style-type: none"> <li>Terminal width 6.2 mm</li> <li>Supply data                             <ul style="list-style-type: none"> <li>Rigid, 0.5 ... 2.5 mm<sup>2</sup></li> <li>Flexible, 0.5 ... 2.5 mm<sup>2</sup></li> <li>AWG 20-14</li> <li>I = 16 A</li> <li>U = 400 V</li> </ul> </li> <li>More information under <i>Technical specifications</i></li> </ul>			
<b>Versions</b>				
<ul style="list-style-type: none"> <li>Gray</li> <li>Blue</li> </ul>	8WH3 000-6CF00		044	50
	8WH3 000-6CF01		044	50
<b>Accessories</b>				
	Section	Page		
<b>Compartment partitions, for terminal size 1.5 to 2.5 mm<sup>2</sup> and three clamping points</b>	Accessories	5/33	8WH9 070-0KA00	044 50
<b>Lateral mounting test plugs, for terminal size 6.2 mm<sup>2</sup></b>	Accessories	5/33	8WH9 010-0FB02	044 10
<b>Covers, for terminal size 2.5 mm<sup>2</sup> and three clamping points</b>	Accessories	5/33	8WH9 000-2AA00	044 50
<b>Cover segments, for terminal size 2.5 mm<sup>2</sup> and three or four clamping points</b>	Accessories	5/33	8WH9 000-0AA00	044 50
<b>Connecting combs, for terminal width 6.2 mm</b>				
<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>	Accessories	5/34	8WH9 020-6CC10	044 50
	Accessories	5/34	8WH9 020-6CD10	044 50
	Accessories	5/34	8WH9 020-6CE10	044 50
	Accessories	5/34	8WH9 020-6CF10	044 50
	Accessories	5/34	8WH9 020-6CL10	044 10
	Accessories	5/34	8WH9 020-6CS10	044 10
	Accessories	5/34	8WH9 020-6CT10	044 10
<b>Accessories</b>				
	<b>Compartment partitions, for terminal size 1.5 to 2.5 mm<sup>2</sup> and three clamping points</b>		8WH9 070-0KA00	044 50
	<b>Lateral mounting test plugs, for terminal size 6.2 mm<sup>2</sup></b>		8WH9 010-0FB02	044 10
	<b>Covers, for terminal size 2.5 mm<sup>2</sup> and three clamping points</b>		8WH9 000-2AA00	044 50
	<b>Cover segments, for terminal size 2.5 mm<sup>2</sup> and three or four clamping points</b>		8WH9 000-0AA00	044 50
<b>Labeling plates, front, 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>L1/L2/L3/N/PE</li> <li>Custom inscription</li> <li>U/V/W/N/grounding</li> </ul>			
8WH8 120-3AB05			8WH8 120-3AB05	044 100
			8WH8 120-3AB15	044 100
			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
				
8WH8 120-3AA15				
				
8WH8 120-3AA25				
<b>Labeling plates, front, 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>Custom 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
			8WH8 140-3AA05	044 100
<b>Labeling plates, front, for terminal width 6.2 mm, blank</b>				
			8WH8 110-3AA05	044 100
8WH8 110-3AA05				

\* You can order this quantity or a multiple thereof.

Siemens ET A5 · January 2008





5/33

5

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Insulation Displacement Terminals

### Isolating blade terminals

Version	Order No.	Price 1 unit	PG	PS* P. 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>• Custom inscription</li> </ul>	<b>8WH8 121-3AB05</b> <b>8WH8 121-3AB15</b> <b>8WH8 121-3AB25</b> <b>8WH8 121-3AB35</b> <b>8WH8 121-3AB45</b> <b>8WH8 121-3AB55</b> <b>8WH8 121-3AB65</b> <b>8WH8 121-3AB75</b> <b>8WH8 121-3AB85</b> <b>8WH8 121-3AC05</b> <b>8WH8 121-3XA05</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 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>• Custom inscription</li> </ul>	<b>8WH8 141-3AB05</b> <b>8WH8 141-3AB15</b> <b>8WH8 141-3AB25</b> <b>8WH8 141-3AB35</b> <b>8WH8 141-3AB45</b> <b>8WH8 141-3AB55</b> <b>8WH8 141-3AB65</b> <b>8WH8 141-3AB75</b> <b>8WH8 141-3AB85</b> <b>8WH8 141-3AC05</b> <b>8WH8 141-3XA05</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 111-3AA05	<b>Labeling plates, flat, for terminal width 6.2 mm, blank</b>	<b>8WH8 111-3AA05</b>	044	100
 8WH9 020-6CC10	<b>Connecting combs, for terminal width 6.2 mm</b> <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>	<b>8WH9 020-6CC10</b> <b>8WH9 020-6CD10</b> <b>8WH9 020-6CE10</b> <b>8WH9 020-6CF10</b> <b>8WH9 020-6CL10</b> <b>8WH9 020-6CS10</b> <b>8WH9 020-6CT10</b>	044 044 044 044 044 044 044	50 50 50 50 10 10 10