

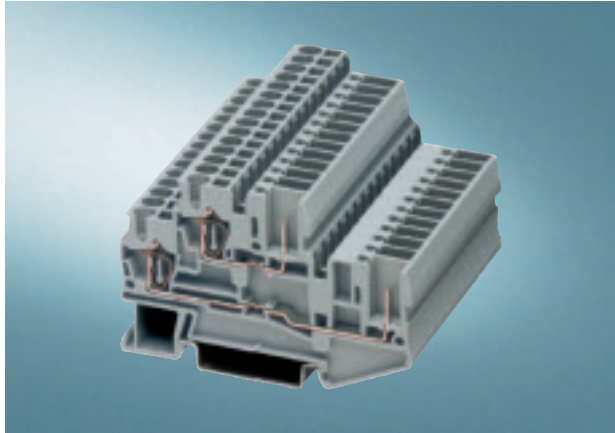
# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals

**Hybrid two-tier terminals**

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### Overview

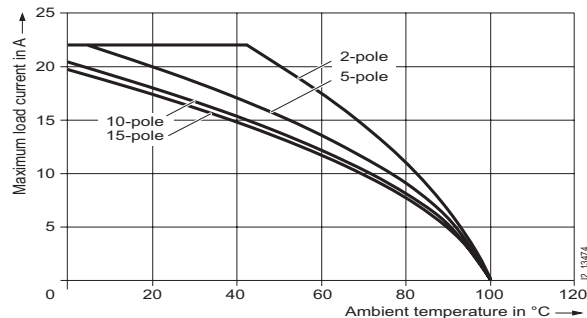


With the two voltage levels routed through two separate tiers, the combination two-tier plug-in terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, connecting combs (see page 6/2) can be fitted to both tiers of the combination two-tier plug-in terminals.

### Technical specifications

	8WH5 120-2MF00 / -2MF01 8WH 125-2MF00 / -2MF01	8WH5 120-3MF07
<b>Dimensions</b>		
• Width / length / width of cover in mm	5.2 / 71.5 / 2.2	
• Height (NS 35/7.5 / NS 35/15) in mm	47.5 / 55	
<b>Technical specifications according to IEC/DIN VDE</b>		
• Max. load current <sup>1)</sup> per cross-section in A/mm <sup>2</sup>	22 / 4	-
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3	
• Overvoltage category/insulating group - / -	III / I	
<b>Connection capacities</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</b>	10	
<b>Plug gage (IEC 60947-1)</b>	A3	
<b>Insulation type</b>	PA	
• Flammability class according to UL 94	V0	
<b>Approval data (UL/CUL and CSA)</b>		
• Nominal voltage/current / cable sizes		
- UL/CUL: in V/A / AWG	300 / 20 / 26-12	- / - / 26-12
- CSA: in V/A / AWG	-	
<b>Mounting rail/protective conductor busbars</b>		See section <i>Mounting rails</i>

<sup>1)</sup> For higher temperatures and/or multipin combination plug-in terminals a derating as for load current is necessary.








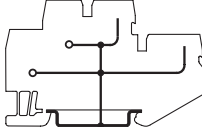
Derating curve for 8WH5 120-2MF00 & 8WH5 125-2MF00

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals

### Hybrid two-tier 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>				
 <p>8WH5 120-2MF00</p>	<b>Hybrid two-tier 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 61984           <ul style="list-style-type: none"> <li>Solid, 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 = 22 A</li> <li>U = 500 V</li> </ul> </li> </ul>			
	<b>Versions</b> <ul style="list-style-type: none"> <li>Gray           <ul style="list-style-type: none"> <li>Without equipotential bonding</li> <li>With equipotential bonding</li> </ul> </li> <li>Blue           <ul style="list-style-type: none"> <li>Without equipotential bonding</li> <li>With equipotential bonding</li> </ul> </li> </ul>			
 <p>8WH5 125-2MF00</p>	<b>Versions</b> <ul style="list-style-type: none"> <li>Gray           <ul style="list-style-type: none"> <li>Without equipotential bonding</li> <li>With equipotential bonding</li> </ul> </li> <li>Blue           <ul style="list-style-type: none"> <li>Without equipotential bonding</li> <li>With equipotential bonding</li> </ul> </li> </ul>			
	<b>Note</b> On terminal with equipotential bonding, the total current through all connected conductors must not exceed the max. load current.			
<b>Accessories</b>		<b>Section</b>	<b>Page</b>	
<b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup></b>		Accessories	3/15	<b>8WH9 070-0BA00</b>
<b>Cover plates, for terminal size 2.5 mm<sup>2</sup></b>		Accessories	3/15	<b>8WH9 000-1MA00</b>
<b>Connecting combs, for terminal width 5.2 mm</b>		Accessories	3/15	<b>8WH9 020-6BC10</b>
• 2-pole		Accessories	3/15	<b>8WH9 020-6BD10</b>
• 3-pole		Accessories	3/15	<b>8WH9 020-6BE10</b>
• 4-pole		Accessories	3/15	<b>8WH9 020-6BF10</b>
• 5-pole		Accessories	3/15	<b>8WH9 020-6BL10</b>
• 10-pole		Accessories	3/15	<b>8WH9 020-6BS10</b>
• 20-pole		Accessories	3/15	<b>8WH9 020-6BT10</b>
• 50-pole		Accessories	3/15	<b>8WH9 020-6BT10</b>
<hr/>				
 <p>8WH5 120-3MF07</p>	<b>Hybrid two-tier PE terminals, terminal size 2.5 mm<sup>2</sup></b> <ul style="list-style-type: none"> <li>Green-yellow</li> <li>Terminal width 5.2 mm</li> <li>  </li> <li>IEC 61984           <ul style="list-style-type: none"> <li>Solid, 0.08 ... 4 mm<sup>2</sup></li> <li>Flexible, 0.08 ... 2.5 mm<sup>2</sup></li> <li>AWG 28-12</li> </ul> </li> </ul>			
	<b>Versions</b> <ul style="list-style-type: none"> <li>Green-yellow</li> </ul>			
 <p>8WH5 120-3MF07</p>	<b>Versions</b> <ul style="list-style-type: none"> <li>Green-yellow</li> </ul>			
	<b>Note</b> On terminal with equipotential bonding, the total current through all connected conductors must not exceed the max. load current.			
<b>Accessories</b>		<b>Section</b>	<b>Page</b>	
<b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup></b>		Accessories	3/15	<b>8WH9 070-0BA00</b>
<b>Cover plates, for terminal size 2.5 mm<sup>2</sup></b>		Accessories	3/15	<b>8WH9 000-1MA00</b>
<b>Connecting combs, for terminal width 5.2 mm</b>		Accessories	3/15	<b>8WH9 020-6BC10</b>
• 2-pole		Accessories	3/15	<b>8WH9 020-6BD10</b>
• 3-pole		Accessories	3/15	<b>8WH9 020-6BE10</b>
• 4-pole		Accessories	3/15	<b>8WH9 020-6BF10</b>
• 5-pole		Accessories	3/15	<b>8WH9 020-6BL10</b>
• 10-pole		Accessories	3/15	<b>8WH9 020-6BS10</b>
• 20-pole		Accessories	3/15	<b>8WH9 020-6BT10</b>
• 50-pole		Accessories	3/15	<b>8WH9 020-6BT10</b>

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals

### Hybrid two-tier terminals

Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)
<b>Accessories</b>				
 8WH9 070-0BA00	<b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup></b> <ul style="list-style-type: none"> <li>For visual and electrical separation of terminal groups</li> <li>2 mm thick</li> </ul>	8WH9 070-0BA00	044	50
 8WH9 000-1MA00	<b>Cover plates, for terminal size 2.5 mm<sup>2</sup></b> Gray	8WH9 000-1MA00	044	50
 8WH8 120-2AB05   8WH8 120-2AA15	<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>L1/L2/L3/N/PE</li> <li>Custom inscription</li> </ul>	8WA8 121-2AB05 8WA8 121-2AB15 8WA8 121-2AB25 8WA8 121-2AB35 8WA8 121-2AB45 8WA8 121-2AB55 8WA8 121-2AB65 8WA8 121-2AB75 8WA8 121-2AB85 8WA8 121-2AC05 8WA8 121-2AA15 8WA8 121-2XA05	044 044 044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100 100
 8WH8 140-2AB05	<b>Labeling plates, 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>	8WA8 141-2AB05 8WA8 141-2AB15 8WA8 141-2AB25 8WA8 141-2AB35 8WA8 141-2AB45 8WA8 141-2AB55 8WA8 141-2AB65 8WA8 141-2AB75 8WA8 141-2AB85 8WA8 141-2AC05 8WA8 141-2XA05	044 044 044 044 044 044 044 044 044 044 044 044	100 100 100 100 100 100 100 100 100 100 100
 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> <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>	8WH9 020-6BC10 8WH9 020-6BD10 8WH9 020-6BE10 8WH9 020-6BF10 8WH9 020-6BL10 8WH9 020-6BS10 8WH9 020-6BT10	044 044 044 044 044 044 044	50 50 50 50 10 10 10

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