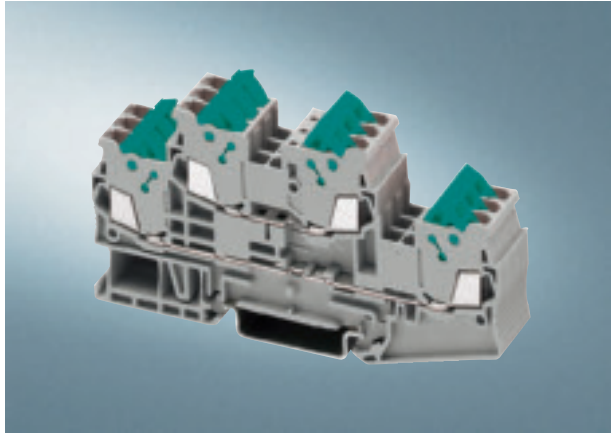


ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Insulation Displacement Terminals

Two-tier terminals

Overview



The insulation displacement two-tier terminals for terminal size 1.5 mm² are characterized in particular by their compact design and by a double bridge slot per tier. Bridging and testing are thus possible simultaneously.

With its clearly arranged and space-saving front connection arrangement the two-tier terminal series provides additional space between the cable ducts for wiring.

The PE/ground conductor terminal of this series meets all the requirements of IEC 60947-7-2.

In particular these are:

- Low contact resistance
- Non-corroding clamping points and PE base
- Green-yellow enclosure
- Additional inscription possibilities

5

Technical specifications

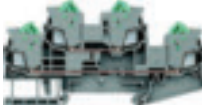


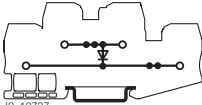

	8WH3 020-0AE00 / -0AE01 8WH3 020-5AE00	8WH3 020-0CE07
Dimensions		
• Width / length / width of cover in mm	5.2 / 99.6 / 2.2	
• Height (TS 35/7.5 / TS 35/15) in mm	49.9 / 57.4	
Technical specifications according to IEC/DIN VDE		
• Max. load current per cross-section in A/mm ²	17.5 / 1.5	-
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3	
• Overvoltage category/insulating group - / -	III / I	
Conductor cross-section according to DIN VDE 0295		
• Core insulation	PVC / PE (other insulation types on request)	
• Solid / stranded / finely stranded H05V-U/R/K // H07V-U/R/K in mm ²	0.4 ... 1.0 // 1.5	
• Halogen-free H05Z-U/R/K // H07Z-U/R/K in mm ²	0.5 ... 1.0 // 1.5	
• Finely stranded / very finely stranded		
- (strand $\varnothing \geq 0.1$ mm) in mm ²	0.25 ... 0.34	
- (strand $\varnothing \geq 0.19$ mm) AWG	24-16	
Number of circuits		
• At least 100-times same cross-section in mm ²	0.25 ... 1.5	
Insulation type	PA	
• Flammability class according to UL 94	V0	
Approval data (UL/CUL and CSA)		
• Nominal voltage/current / cable sizes		
- UL/CUL: in V/A / AWG	600 / 10 / 24-16	- / - / 24-16
- CSA: in V/A / AWG	-	
Mounting rails/protective conductor busbars		See section <i>Mounting rails</i>

ALPHA FIX Terminal Blocks

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Two-tier terminals


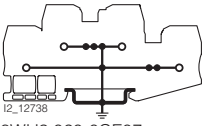





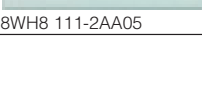
Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit	
		1 unit		Unit(s)	
Terminal size 1.5 mm²					
 <p>8WH3 020-0AE00</p>	Two-tier terminals, terminal size 1.5 mm² <ul style="list-style-type: none"> Terminal width 5.2 mm  Supply data <ul style="list-style-type: none"> Rigid, 0.25 ... 1.5 mm² Flexible, 0.25 ... 1.5 AWG 24-16 I = 17.5 A U = 500 V EN 50019 <ul style="list-style-type: none"> Rigid, 0.25 ... 1.5 mm² Flexible, 0.25 ... 1.5 AWG 24-16 I = 15 A U = 420 V More information under <i>Technical specifications</i> 				
	Versions				
	• Gray	8WH3 020-0AE00		044	50
	• Blue	8WH3 020-0AE01		044	50
	Accessories				
		Section	Page		
	Compartment partitions, for terminal size 1.5 mm²	Accessories	5/31	8WH9 070-0MA00	044 50
	Lateral mounting test plugs, for terminal width 5.2 mm	Accessories	5/31	8WH9 010-0EB02	044 10
	Covers, for terminal size 1.5 mm²	Accessories	5/31	8WH9 001-1BA00	044 50
	Connecting combs, for terminal width 5.2 mm				
• 2-pole	Accessories	5/31	8WH9 020-6BC10	044 50	
• 3-pole	Accessories	5/31	8WH9 020-6BD10	044 50	
• 4-pole	Accessories	5/31	8WH9 020-6BE10	044 50	
• 5-pole	Accessories	5/31	8WH9 020-6BF10	044 50	
• 10-pole	Accessories	5/31	8WH9 020-6BL10	044 10	
• 20-pole	Accessories	5/31	8WH9 020-6BS10	044 10	
• 50-pole	Accessories	5/31	8WH9 020-6BT10	044 10	
 <p>8WH3 020-5AE00</p>  <p>12_12737 8WH3 020-5AE00</p>	Two-tier terminals, terminal size 1.5 mm², with diode <ul style="list-style-type: none"> Gray Terminal width 5.2 mm  Supply data <ul style="list-style-type: none"> Rigid, 0.25 ... 1.5 mm² Flexible, 0.25 ... 1.5 AWG 24-16 I = 17.5 A U = 500 V More information under <i>Technical specifications</i> 				
	Accessories				
		Section	Page		
	Compartment partitions, for terminal size 1.5 mm²	Accessories	5/31	8WH9 070-0MA00	044 50
	Lateral mounting test plugs, for terminal width 5.2 mm	Accessories	5/31	8WH9 010-0EB02	044 10
	Covers, for terminal size 1.5 mm²	Accessories	5/31	8WH9 001-1BA00	044 50
	Connecting combs, for terminal width 5.2 mm				
	• 2-pole	Accessories	5/31	8WH9 020-6BC10	044 50
	• 3-pole	Accessories	5/31	8WH9 020-6BD10	044 50
	• 4-pole	Accessories	5/31	8WH9 020-6BE10	044 50
• 5-pole	Accessories	5/31	8WH9 020-6BF10	044 50	
• 10-pole	Accessories	5/31	8WH9 020-6BL10	044 10	
• 20-pole	Accessories	5/31	8WH9 020-6BS10	044 10	
• 50-pole	Accessories	5/31	8WH9 020-6BT10	044 10	

ALPHA FIX Terminal Blocks

ALPHA FIX 8WH Insulation Displacement Terminals

Two-tier terminals

Version	Order No.	Price 1 unit	PG	PS* P. unit																																				
				Unit(s)																																				
 <p>8WH3 020-0CE07</p>  <p>8WH3 020-0CE07</p> <p>PE two-tier terminals, terminal size 1.5 mm²</p> <ul style="list-style-type: none"> • Green-yellow • Terminal width 5.2 mm • C_{UL} us • Supply data <ul style="list-style-type: none"> - Rigid, 0.25 ... 1.5 mm² - Flexible, 0.25 ... 1.5 - AWG 24-16 • EN 50019 <ul style="list-style-type: none"> - Rigid, 0.25 ... 1.5 mm² - Flexible, 0.25 ... 1.5 - AWG 24-16 • More information under <i>Technical specifications</i> 	8WH3 020-0CE07		044	50																																				
<p>Accessories</p> <table border="1"> <thead> <tr> <th>Accessories</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Compartment partitions, for terminal size 1.5 mm²</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>Lateral mounting test plugs, for terminal width 5.2 mm</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>Covers, for terminal size 1.5 mm²</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>Connecting combs, for terminal width 5.2 mm</td> <td></td> <td></td> </tr> <tr> <td>• 2-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 3-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 4-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 5-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 10-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 20-pole</td> <td>Accessories</td> <td>5/31</td> </tr> <tr> <td>• 50-pole</td> <td>Accessories</td> <td>5/31</td> </tr> </tbody> </table>	Accessories	Section	Page	Compartment partitions, for terminal size 1.5 mm²	Accessories	5/31	Lateral mounting test plugs, for terminal width 5.2 mm	Accessories	5/31	Covers, for terminal size 1.5 mm²	Accessories	5/31	Connecting combs, for terminal width 5.2 mm			• 2-pole	Accessories	5/31	• 3-pole	Accessories	5/31	• 4-pole	Accessories	5/31	• 5-pole	Accessories	5/31	• 10-pole	Accessories	5/31	• 20-pole	Accessories	5/31	• 50-pole	Accessories	5/31				
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 <p>8WH9 001-1BA00</p> <p>Covers, for terminal size 1.5 mm²</p>	8WH9 001-1BA00		044	50																																				
 <p>8WH8 121-2AB05</p> <p>Labeling plates, flat, for terminal width 5.2 mm, horizontal inscription</p> <ul style="list-style-type: none"> • Incremental numbering <ul style="list-style-type: none"> - 1 to 10 (10x) - 11 to 20 (10x) - 21 to 30 (10x) - 31 to 40 (10x) - 41 to 50 (10x) - 51 to 60 (10x) - 61 to 70 (10x) - 71 to 80 (10x) - 81 to 90 (10x) - 91 to 100 (10x) • Custom inscription 	8WH8 121-2AB05 8WH8 121-2AB15 8WH8 121-2AB25 8WH8 121-2AB35 8WH8 121-2AB45 8WH8 121-2AB55 8WH8 121-2AB65 8WH8 121-2AB75 8WH8 121-2AB85 8WH8 121-2AC05 8WH8 121-2XA05		044	100																																				
 <p>8WH8 141-2AB05</p> <p>Labeling plates, flat, for terminal width 5.2 mm, vertical inscription</p> <ul style="list-style-type: none"> • Incremental numbering <ul style="list-style-type: none"> - 1 to 10 (10x) - 11 to 20 (10x) - 21 to 30 (10x) - 31 to 40 (10x) - 41 to 50 (10x) - 51 to 60 (10x) - 61 to 70 (10x) - 71 to 80 (10x) - 81 to 90 (10x) - 91 to 100 (10x) • Custom inscription 	8WH8 141-2AB05 8WH8 141-2AB15 8WH8 141-2AB25 8WH8 141-2AB35 8WH8 141-2AB45 8WH8 141-2AB55 8WH8 141-2AB65 8WH8 141-2AB75 8WH8 141-2AB85 8WH8 141-2AC05 8WH8 141-2XA05		044	100																																				
 <p>8WH8 111-2AA05</p> <p>Labeling plates, flat, for terminal width 5.2 mm, blank</p>	8WH8 111-2AA05		044	100																																				
<p>Connecting combs, for terminal width 5.2 mm</p> <ul style="list-style-type: none"> • 2-pole • 3-pole • 4-pole • 5-pole • 10-pole • 20-pole • 50-pole 	8WH9 020-6BC10 8WH9 020-6BD10 8WH9 020-6BE10 8WH9 020-6BF10 8WH9 020-6BL10 8WH9 020-6BS10 8WH9 020-6BT10		044	50																																				