

ALPHA FIX Terminal Blocks

8WH1 Screw Terminals

8WH through-type terminals

Overview



8WH through-type terminals are characterized by their compact design and optimum handling. They are available in conductor cross-section areas from 2.5 to 35 mm² and can be inscribed with labels. The double bridge slot enables individual chain bridging with connecting combs. Corresponding accessories are available for testing and labeling. Secure electrical and mechanical contact with the mounting rail is assured by simply snapping the terminals onto the rail.

The individual clamping points can be inscribed at the front using the inscription labels.

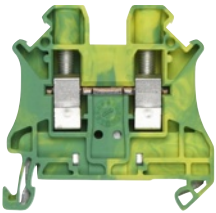

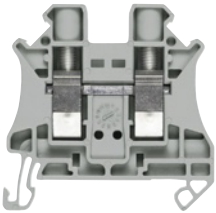

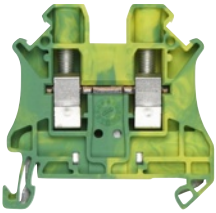

Technical specifications

	8WH1000-0AF00 8WH1000-0AF01	8WH1000-0AG00 8WH1000-0AG01	8WH1000-0AH00 8WH1000-0AH01	8WH1000-0AJ00 8WH1000-0AJ01	8WH1000-0AK00 8WH1000-0AK01	8WH1000-0AM00 8WH1000-0AM01
Dimensions						
• Width / length / width of cover in mm	5.2 / 47.7 / 2.2	6.2 / 47.7 / 2.2	8.2 / 47.7 / 2.2	10.2 / 47.7 / 2.2	12 / 55.3 / 2.2	16 / 60.2 / --
• Height (NS 35/7.5 / NS 35/15) in mm	47.5 / 55				55 / 62.5	65.7 / 73.2
Technical specifications acc. to IEC/DIN VDE						
• Max. load current in A / cross-section in mm ²	32 / 4	41 / 6	57 / 10	76 / 16	101 / 25	150 / 50
• Rated impulse withstand voltage in kV / pollution degree	8 kV/3					
• Rated insulation voltage (working voltage) U_i in V according to IEC 60497-7-1	1000					
• Overvoltage category / insulating group	III / I					
Connection capacity						
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 4	0.25 ... 6	0.5 ... 10	1.0 ... 16	1.5 ... 35
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 4	0.25 ... 6	0.5 ... 10	1.0 ... 16	1.5 ... 35
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5 ... 1.5	0.5 ... 2.5	0.5 ... 4	0.5 ... 6	0.75 ... 10	1.5 ... 10
• Rigid in mm ²	0.14 ... 4	0.14 ... 6	0.2 ... 10	0.5 ... 16	1.5 ... 25	1.5 ... 50
Stripped length in mm	9		10		14	18
Tightening torque in Nm	0.6 ... 0.8		1.5 ... 1.8		2.5 ... 3.0	3.2 ... 3.7
Insulation type						
• Flammability class acc. to UL 94	PA V0					
Approval data (UL/CUL and CSA)						
• Rated voltage / current / cable sizes						
- UL/CUL: in V/A / AWG	600 / 20 / 26-12	600 / 30 / 26-10	600 / 50 / 24-8	600 / 65 / 20-6	600 / 85 / 16-4	600 / 150 / 14-1/0
- CSA: in V/A / AWG	600 / 20 / 26-12	600 / 30 / 26-10	600 / 50 / 24-8	600 / 65 / 20-6	600 / 85 / 16-4	600 / 150 / 14-1/0
8WH1000-0CF07 8WH1000-0CG07 8WH1000-0CH07 8WH1000-0CJ07 8WH1000-0CK07 8WH1000-0CM07						
Dimensions						
• Width / length / width of cover in mm	5.2 / 47.7 / 2.2	6.2 / 47.7 / 2.2	8.2 / 47.7 / 2.2	10.2 / 47.7 / 2.2	12 / 55.3 / 2.2	16 / 60.2 / --
• Height (NS 35/7.5 / NS 35/15) in mm	47.5 / 55				55 / 62.5	65.7 / 73.2
Technical specifications acc. to IEC/DIN VDE						
• Max. load current in A / cross-section in mm ²	-- / 4	-- / 6	-- / 10	-- / 16	101 / 25	125 / 35
• Rated impulse withstand voltage in kV / pollution degree	8 kV/3					
• Overvoltage category / insulating group	III / I					
Connection capacity						
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 2.4	0.25 ... 6	0.5 ... 10	1.0 ... 16	1.5 ... 35
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 2.4	0.25 ... 6	0.5 ... 10	1.0 ... 16	1.5 ... 35
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5 ... 1.5	0.5 ... 2.5	0.5 ... 4	0.5 ... 6	0.75 ... 10	1.5 ... 10
• Rigid in mm ²	0.14 ... 4	0.14 ... 6	0.2 ... 10	0.5 ... 16	1.5 ... 25	1.5 ... 35
Stripped length in mm	9		10		14	18
Tightening torque in Nm	0.6 ... 0.8		1.6 ... 1.8	1.5 ... 1.8	2.5 ... 3.0	3.2 ... 3.7
Insulation type						
• Flammability class acc. to UL 94	PA V0					
Approval data (UL/CUL and CSA)						
• Rated voltage / current / cable sizes						
- UL/CUL: in V/A / AWG	-- / -- / 26-12	-- / -- / 26-10	-- / -- / 24-8	-- / -- / 20-6	-- / -- / 16-4	-- / -- / 14-1/0
- CSA: in V/A / AWG	-- / -- / 26-12	-- / -- / 26-10	-- / -- / 24-8	-- / -- / 20-6	-- / -- / 16-4	-- / -- / 14-1/0

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8WH through-type terminals

Version	DT	Order No.	Price € per PU	PU (UNIT, SET, M)	PS*/ PU	PG	
 <p>8WH1000-0CG07</p> <p>Through-type PE terminals, terminal size 4 mm²</p> <ul style="list-style-type: none"> •  US • Terminal width 6.2 mm • AWG 26-10 • Connection capacity, one conductor <ul style="list-style-type: none"> - Rigid 0.14 ... 6 mm² - Flexible 0.14 ... 6 mm² • Connection capacity, two conductors <ul style="list-style-type: none"> - Rigid 0.14 ... 1.5 mm² - Flexible 0.14 ... 1.5 mm² • Green-yellow <p>Accessories</p> <ul style="list-style-type: none"> • Covers, for through-type terminals, for terminal size 2.5 ... 10 mm² • Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm² • Warning cover, for terminal size 4 mm² 		8WH1000-0CG07		1 50 units		044	
			8WH9000-1PA00		100 50 units		044
			8WH9070-6BA00		100 50 units		044
			8WH9063-5BA06		100 50 units		044
Terminal size 6 mm²							
 <p>8WH1000-0AH00</p> <p>Through-type terminals, terminal size 6 mm²</p> <ul style="list-style-type: none"> •  US • Terminal width 8.2 mm • $I_{max} = 57$ A • $U_{max} = 1000$ V • AWG 24-8 • Connection capacity, one conductor <ul style="list-style-type: none"> - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors <ul style="list-style-type: none"> - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm² <p>Versions</p> <ul style="list-style-type: none"> • Gray • Blue <p>Accessories</p> <ul style="list-style-type: none"> • Covers, for through-type terminals, for terminal size 2.5 ... 10 mm² • Reducing combs, for connecting terminals, from terminal size 6 mm² to 2.5 or 4 mm² <ul style="list-style-type: none"> - From screw to screw - From screw to spring • Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm² • Warning cover, for terminal size 6 mm² 		8WH1000-0AH00 8WH1000-0AH01		1 50 units 1 50 units		044 044	
			8WH9000-1PA00		100 50 units		044
			8WH9002-8AC10 8WH9002-8BC10		1 10 units 1 10 units		044 044
			8WH9070-6BA00 8WH9064-5BA06		100 50 units 100 50 units		044 044
 <p>8WH1000-0CH07</p> <p>Through-type PE terminals, terminal size 6 mm²</p> <ul style="list-style-type: none"> •  US • Terminal width 8.2 mm • AWG 24-8 • Connection capacity, one conductor <ul style="list-style-type: none"> - Rigid 0.2 ... 10 mm² - Flexible 0.2 ... 10 mm² • Connection capacity, two conductors <ul style="list-style-type: none"> - Rigid 0.2 ... 2.5 mm² - Flexible 0.2 ... 2.5 mm² • Green-yellow <p>Accessories</p> <ul style="list-style-type: none"> • Covers, for through-type terminals, for terminal size 2.5 ... 10 mm² • Compartment partitions, for through-type terminals, for terminal size 2.5 ... 10 mm² • Warning cover, for terminal size 6 mm² 		8WH1000-0CH07		1 50 units		044	
			8WH9000-1PA00 8WH9070-6BA00		100 50 units 100 50 units		044 044
			8WH9064-5BA06		100 50 units		044