



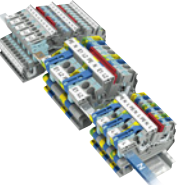



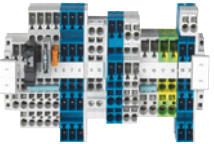






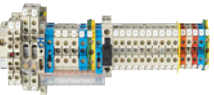


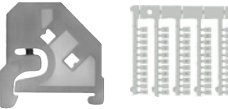
Introduction

8WH and 8WA Terminal Blocks

General data

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Overview

		Connection system	Section	Special features
8WH Terminal Blocks				
		8WH6 iPo plug-in terminals (iPo: in-Push-out)	2	The iPo connection method combines the advantages of spring-loaded and plug-in terminals – both rigid and flexible wires are easy to insert without the need for tools. Fast installation – with a minimum of effort and maximum contact stability.
		8WH6 iPo installation terminals	3	The iPo connection method combines the advantages of spring-loaded and plug-in terminals – both rigid and flexible wires are easy to insert without the need for tools. Fast installation – with a minimum of effort and maximum contact stability. Fast removal by simply pressing the unlatching button.
		8WH2 spring-loaded terminals	4	With the spring-loaded connection method, the tension spring exerts constant pressure on the conductor, which ensures excellent contact stability – even with applications subject to high levels of vibration. Fast removal by simply pressing the unlatching button.
		8WH5 combination plug-in terminals	5	Combination plug-in terminals are used where high availability is essential in the event of a fault. The contact system is able to withstand even extreme levels of vibration and both the terminal and the connector are fingerproof.
		8WH3 insulation displacement terminals	6	Thanks to the use of insulation displacement terminals, there is no need to strip the conductor. This ensures secure contact between the conductor and the connecting wire of the terminal.
		8WH1 screw terminals	7	The screw terminals have an impressively compact design and offer optimum handling. The elastic deformation capability of the terminal body prevents any creepage of the clamped conductor. Suitable for applications up to 1000 V DC.
		Accessories for 8WH	8	The 8WH accessories supplement the 8WH product range with the additional components required for installation.
8WA terminal blocks				
		8WA1 screw terminals	9	The tried and tested screw terminals are insulated on both sides and enclosed at both ends. These terminals are extremely robust and can withstand high mechanical and thermal loads.
		8WA2 spring-loaded terminals • 8WA2 initiator/actuator terminals	10	Fast and cost-effective connection of signal transmitters.
		Accessories for 8WA	11	The 8WA terminal block accessories supplement the 8WA product range with the additional components required for installation.

Rated short-time withstand current

Our terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the

rated cross-section for one second.

Overview

Support rail type							Excerpt from IEC 60947-7-2/EN 60947-7-2/ VDE 0611 Part 3		
Width	Height	Thick- ness	Perforation type	Material	Surface	Rail profile	Short-circuit strength (Cu conductor)	Short-time withstand current, 1 s	Max. permissible thermal rated current with PEN function
mm	mm	mm					mm ² ¹⁾	kA	A
35	7.5	1.5	Non-perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 7.5	16	1.92	¹⁾
35	7.5	1.5	With holes	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 7.5	16	1.92	²⁾
35	7.5	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	16	1.92	²⁾
35	7.5	1.5	With holes	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	16	1.92	²⁾
35	7.5	1.5	Non-perforated	V2A high- grade steel	Chromated	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	16	1.92	²⁾
35	7.5	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	50	6.0	150
35	7.5	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, dimensions acc. to EN 60 715 – 35 × 7.5	35	4.2	125
35	15	2.3	Non-perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60 715 – 35 × 15	50	6.0	²⁾
35	15	1.5	Non-perforated	Steel	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	²⁾
35	15	1.5	With holes	Steel	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	²⁾
35	15	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	²⁾
35	15	1.5	With holes	Steel	Galvanized	Standard mounting rail, similar to EN 60 715 – 35 × 15	35	4.2	²⁾
35	15	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	95	11.4	232
35	15	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, similar to EN 60 715 – 35 × 15	70	8.4	192

¹⁾ Cross-sections calculated acc. to IEC 60439-1 / EN 60 439-1 / EN 60439-1 / VDE 0660 Part 500.

²⁾ Steel protective conductor busbars are not permissible for PEN function.

Introduction

8WH Terminal Blocks

8WH order selection

Terminal type	Connection type	Design	Number of terminals	Version	MLFB digits 1 ...9 MLFB digits 8...12
Installation terminals	iPo	Standard	2	L	8WH6001-
			4	L/L	8WH6001-
			4	L/N	8WH6001-
			5	PE/L/L	8WH6001-
			5	PE/L/N	8WH6001-
			5	PE/L/NT	8WH6001-
			5	PE/L/N isolating blade	8WH6001-
			5	PE/L/L isolating blade	8WH6001-
			5	PE/L/L through-type term. for isolat. term.	8WH6001-
			5	PE/L/L isolation	8WH6001-
			Spring-loaded terminals	Two-tier	4
	4	N/PE			8WH2020-
	4	N/L			8WH2020-
	Three-tier	6		PE/L/N	8WH2030-
		6	PE/L/L	8WH2030-	

Article No., e.g.

8WH6001-

4FF00

Insta terminal: Plug-in design · 5 connection points
2.5 mm² · Range of functions

	1.5 mm ²			2.5 mm ²				4 mm ²		
	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal	Terminals with range of functions	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow
							4QF00			
							4DF00			
							4CF00			
							4HF00			
							4EF00			
							4FF00			
							4GF00			
							4NF00			
							4PF00			
							4MF00			
							4AF00			
							4BF00			
							4CF00			
							4EF00			
							4HF00			

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Introduction

8WH Terminal Blocks

8WH order selection

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Connection type	Terminals	Design	Number of terminals MLFB digits 1...7	MLFB digits 8...12	1.5 mm ²				2.5 mm ²						
					Through-type terminal, gray	Through-type terminal, colored	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, colored	Through-type terminal, blue	Instrument isolating terminal, blue	Isolating terminal, gray	Instrument isolating terminal, gray	PE terminal green/yellow
Screw terminal	Standard		2	8WH1000-					0AF00		0AF01				0CF07
		Two-tier	4	8WH1020-					0AF00		0AF01				0CF07
		Two-tier	4	8WH1025-					0AF00						
Spring-loaded terminal	Standard		2	8WH2000-	0AE00	0AE0 ¹⁾	0AE01	0CE07	0AF00	0AF0 ¹⁾	0AF01		6AF00	6CF00	0CF07
			3	8WH2003-	0AE00		0AE01	0CE07	0AF00		0AF01		6AF00	6CF00	0CF07
			4	8WH2004-	0AE00		0AE01	0CE07	0AF00		0AF01	6CF01	6AF00	6CF00	0CF07
		Two-tier	4	8WH2020-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			6	8WH2023-					0AF00		0AF01				0CF07
		Two-tier 1-pole	6	8WH2022-					0AF00						
			4	8WH2025-	0AE00				0AF00		0AF01				
		Three-tier	6	8WH2030-					0AF00		0AF01				
		Three-tier	6	8WH2035-					0AF00						0CF07
		Four-tier	8	8WH2040-					4LF00						
	Molded-case		2	8WH2500-					0AF00		0AF01		6AF00	6CF00	0CF07
			3	8WH2503-					0AF00		0AF01				0CF07
			4	8WH2504-					0AF00		0AF01				0CF07
Two-tier		4	8WH2520-					0AF00		0AF01				0CF07	
iPo	Standard		2	8WH6000-					0AF00		0AF01				0CF07
			3	8WH6003-					0AF00		0AF01				0CF07
			4	8WH6004-					0AF00		0AF01				0CF07
		Two-tier	4	8WH6020-					0AF00		0AF01				0CF07
Combination plugs	Standard		2	8WH5000-					0AF00		0AF01				0CF07
			4	8WH5004-					0AF00		0AF01				0CF07
Insulation displacement terminal technology (IDC)	Standard		2	8WH3000-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			3	8WH3003-	0AE00		0AE01	0CE07	0AF00		0AF01				0CF07
			4	8WH3004-	0AE00		0AE01	0CE07							
		Two-tier	4	8WH3020-	0AE00		0AE01	0CE07							

Article No., e.g.

8WH2500-

0AF00

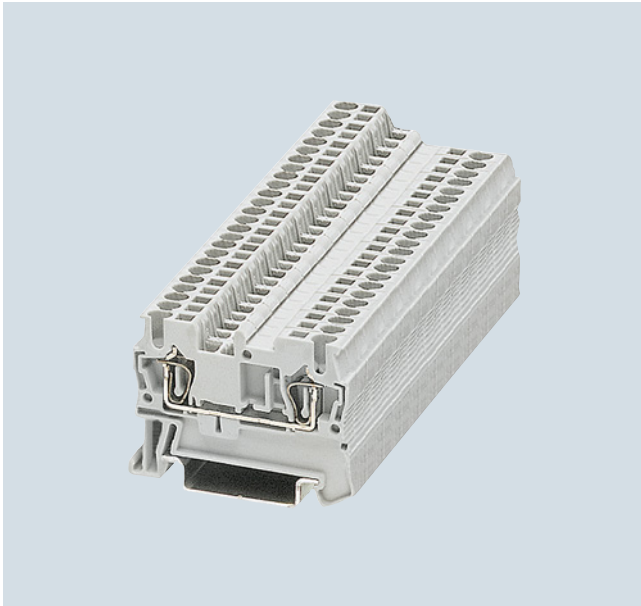
Standard terminal: Spring-loaded terminal · compact · 2 connection points · 2.5 mm² · Through-type terminal, gray

	4 mm ²						6 mm ²				10 mm ²			16 mm ²			35 mm ²		
	Through-type terminal, gray	Through-type terminal, colored	Through-type terminal, blue	Isolating terminal, Gray	Instrument isolating terminal, gray	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	Isolating terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow	Through-type terminal, gray	Through-type terminal, blue	PE terminal, green/yellow
	0AG00		0AG01	6AG00	6CG00	0CG07	0AH00	0AH01	6AH00	0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
	0AG00		0AG01	6AG00	6AC00	0CG07													
	0AG00																		
	0AG00	0AG0 ¹⁾	0AG01	6AG00	6CG00	0CG07	0AH00	0AH01		0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
	0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
	0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
	0AG00		0AG01			0CG07													
	0AG00																		
	0AG00																		
	4GL00																		
	0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
	0AG00		0AG01			0CG07	0AH00	0AH01		0CH07									
	0AG00		0AG01			0CG07													
	0AG00		0AG01			0CG07													
	0AG00		0AG01			0CG07	0AH00	0AH01		0CH07	0AJ00	0AJ01	0CJ07	0AK00	0AK01	0CK07	0AM00	0AM01	0CM07
	0AG00		0AG01			0CG07													
	0AG00		0AG01			0CG07													

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1)	Red	Green	Orange	White	Yellow	Black
	OAE02	OAE03	OAE04	OAE05	OAE06	OAE08

Overview

**With two clamping points**

The through-type terminals have an impressive space-saving design and offer optimized handling. With its front connection arrangement this series provides additional space between the cable ducts for wiring.

The double bridge shaft enables individual chain bridging with connecting combs. Accessories are available for testing and labeling.

With three clamping points

Terminals with three clamping points are a space-saving alternative to the standard through-type terminals for branching the potential.

It is often necessary for three conductors to be routed to a single terminal. This three clamping point version enables this without the need for additional terminals and jumpers.

With four clamping points

The double connection of the through-type terminals with four clamping points enables four conductors to be connected to a single potential. These versions with four clamping points are therefore suitable for use as compact potential distributors.

A label can be snapped on to the middle of each terminal at the front. Further labels can also be mounted flat on the side of the terminals.

PE/ground conductor function

The PE through-type terminals are available with the same contour as the through-type terminals. Simply snap the terminals onto the support rail to achieve full mechanical and electrical contact with the support rail.

The PE through-type terminals meet all the requirements of IEC 60947-7-2:

- Low contact resistance
- Stainless clamping points
- Green-yellow enclosure
- Additional inscription options

Technical specifications

	8WH2000-0AE0.	8WH2000-0CE07	8WH2003-0AE00 8WH2003-0AE01	8WH2003-0CE07	8WH2004-0AE00 8WH2004-0AE01
Dimensions					
• Width/length/cover width in mm	4.2 / 48.5 / 2.2		4.2 / 60.5 / 2.2		4.2 / 72 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	36.8 / 44		36.5 / 44		
Technical specifications acc. to IEC/DIN VDE					
• Max. load current in A / cross-section in mm ²	17.5 / 1.5	--	17.5 / 1.5	--	17.5 / 1.5
• Rated impulse withstand voltage in kV / pollution degree	6 / 3				
• Overvoltage category / molded plastic group	III / I				
Connection capacities					
• Flexible with end sleeve, with plastic sleeve in mm ²	0.25 ... 1.5				
• Flexible with end sleeve, without plastic sleeve in mm ²	0.25 ... 1.5				
• Flexible with two-wire connection end sleeve, with plastic sleeve in mm ²	0.5				
Stripped length in mm	10				
Plug gauge (IEC 60947-1)	A1				
Molded plastic type	PA				
• Flammability Class acc. to UL 94	V0				
Approval data (UL/cUL and CSA)					
• Rated voltage / rated current / conductor sizes					
- UL/cUL: in V/A / AWG	300 / 15 / 26 ... 14	-- / -- / 26 ... 14	300 / 15 / 26 ... 14	-- / -- / 26 ... 14	300 / 15 / 26 ... 14
- CSA: in V/A / AWG	300 / 15 / 26 ... 14	-- / -- / 26 ... 14	300 / 15 / 26 ... 14	--	300 / 15 / 26 ... 14
Support rails/protective conductor busbars	--	See page 1/3, section "Support rails"	--	See page 1/3, section "Support rails"	--