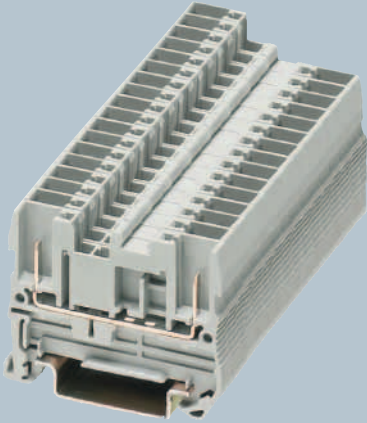




13/2	Introduction
13/6	8WH5 through-type terminals¹⁾
13/9	8WH5 hybrid through-type terminals¹⁾
13/14	8WH5 hybrid two-tier terminals¹⁾
13/16	8WH5 hybrid isolating blade terminals
13/18	8WH5 hybrid isolating terminals
13/20	8WH9 plug-in connectors¹⁾
13/23	8WH9 plugs¹⁾
13/28	Support rails/ protective conductor busbars

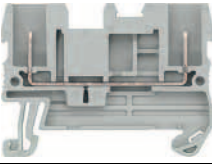
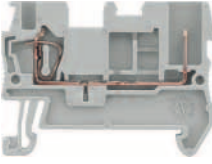
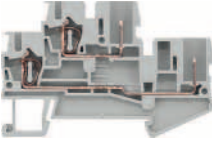
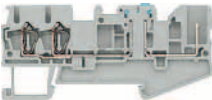
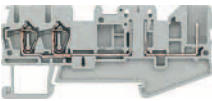
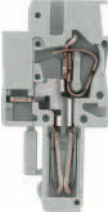
¹⁾ Also available as a PE version

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

Introduction

Overview

	Devices	Page	Function
	8WH5 through-type terminals	13/6	Terminals for the connection of combination plug-in terminals
	8WH5 hybrid through-type terminals	13/9	Terminals for the connection of combination plug-in terminals on one side and, e.g., spring-loaded terminals on the other side
	8WH5 hybrid two-tier terminals	13/14	Compact form of terminals for the connection of combination plug-in terminals on one side and, e.g., spring-loaded terminals on the other side, two connecting cables can be installed
	8WH5 hybrid isolating blade terminals	13/16	Isolation of the circuit, e.g., for test purposes
	8WH5 hybrid isolating terminals	13/18	Isolation of the circuit, e.g., for test purposes
	8WH9 plug-in connectors	13/20	For connection of combination plug-in terminals
	8WH9 plugs	13/23	For connection of plug-in terminals for fast wiring

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

Introduction

Conductor cross-section	Connection type →		Combination plugs		Order No. (digits 8 ... 12)
	Connection type →		Standard		
	Number of clamping points →		2	4	
	Order No. (Digits 1 ... 7) →		8WH5 000	8WH5 004	
	Terminal type ¹⁾	Color			
2.5 mm ²	Through-type	Gray	✓	✓	0AF00
		Blue	✓	✓	0AF01
	PE	Green-yellow	✓	✓	0CF07

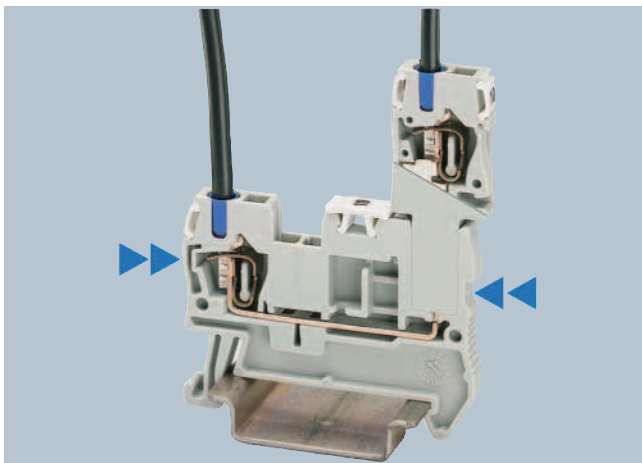
Conductor cross-section	Connection type →		Combination plugs			Order No. (digits 8 ... 12)
	Connection type →		Hybrid			
	Number of clamping points →		2	3	4	
	Order No. (Digits 1 ... 7) →		8WH5 100	8WH5 103	8WH5 104	
	Terminal type ¹⁾	Color				
2.5 mm ²	Through-type	Gray	✓	--	--	2KF00
			--	✓	--	2LF00
			--	--	✓	2MF00
		Blue	✓	--	--	2KF01
			--	✓	--	2LF01
			--	--	✓	2MF01
	PE	Green-yellow	✓	--	--	3KF07
			--	✓	--	3LF07
			--	--	✓	3MF07

¹⁾ Only the main terminal types are listed here. You will find further versions on the following pages.

Rated short-time withstand current

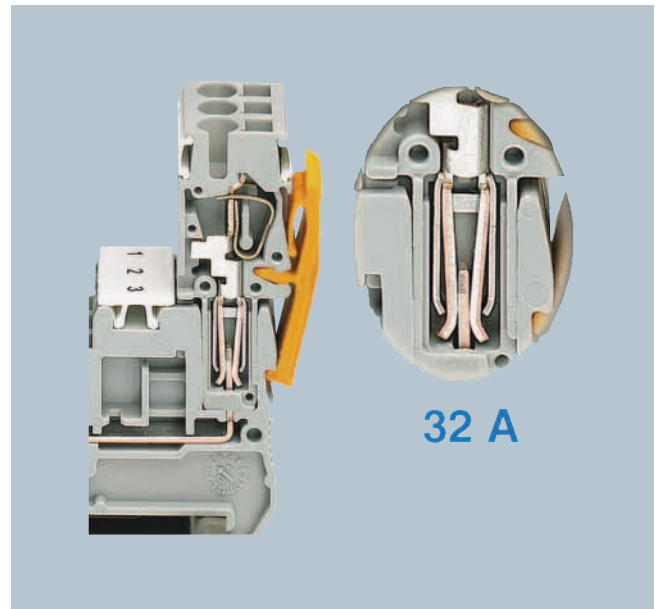
Our combination plug-in terminals are able to withstand a rated short-time current corresponding to a current density of 120 A/mm² specific to the nominal cross-section for a duration of one second.

Space-saving design



The special spring provides a large connection compartment in spite of the space-saving design. Flexible conductors with a nominal cross-section of 4 mm² can therefore be easily secured without end sleeve in the base terminal and in the plug connector.

High-performance contact



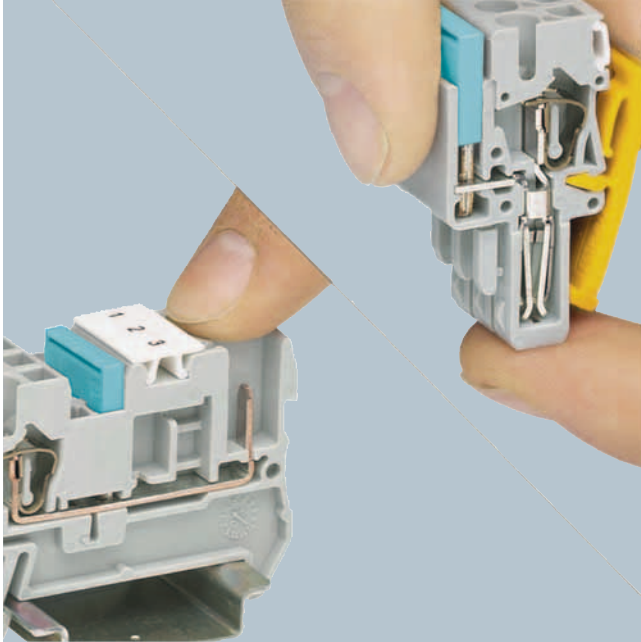
The plug-in system of the combination plug-in terminals, which has been further refined, allows plug-in connections for a rated current of up to 32 A and a rated voltage of 800 V. The contact system withstands extreme vibration thanks to the integral over-spring.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

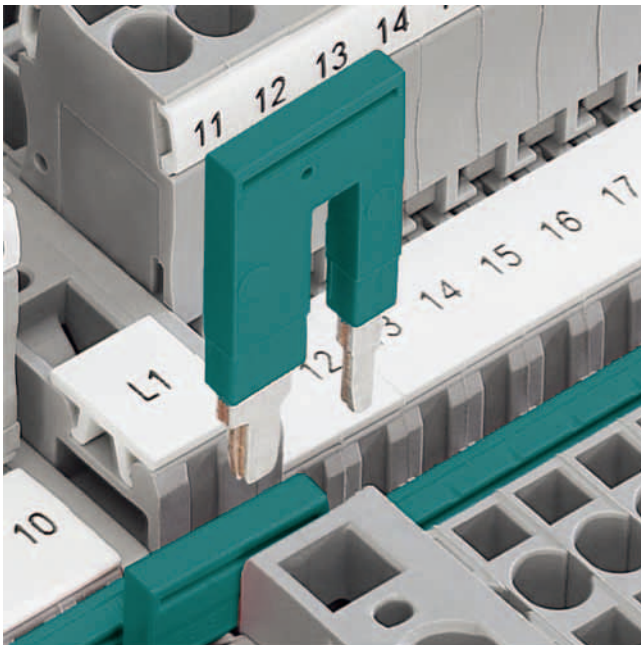
Introduction

Fingerproof design



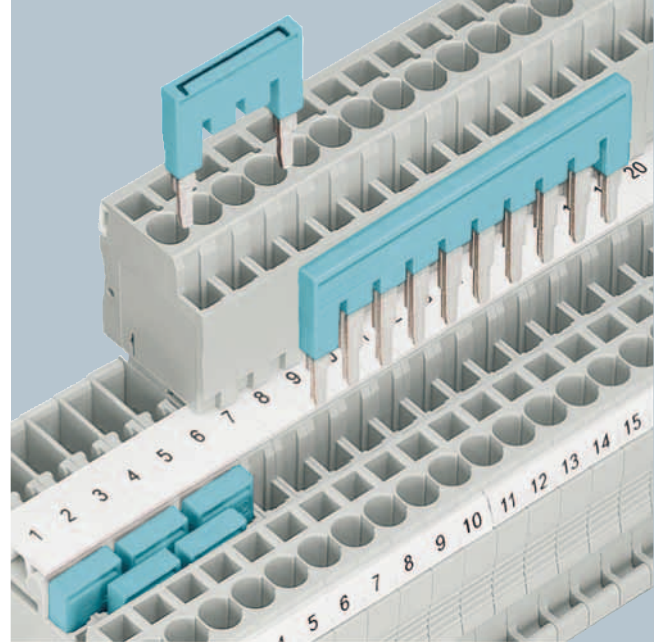
With its fingerproof base terminals and plugs, the combination plug-in terminal system provides maximum user protection. As well as enhancing safety, this provides exceptional flexibility during configuration: the power can be supplied either through the terminals or the plugs.

Time and cost-saving potential distribution



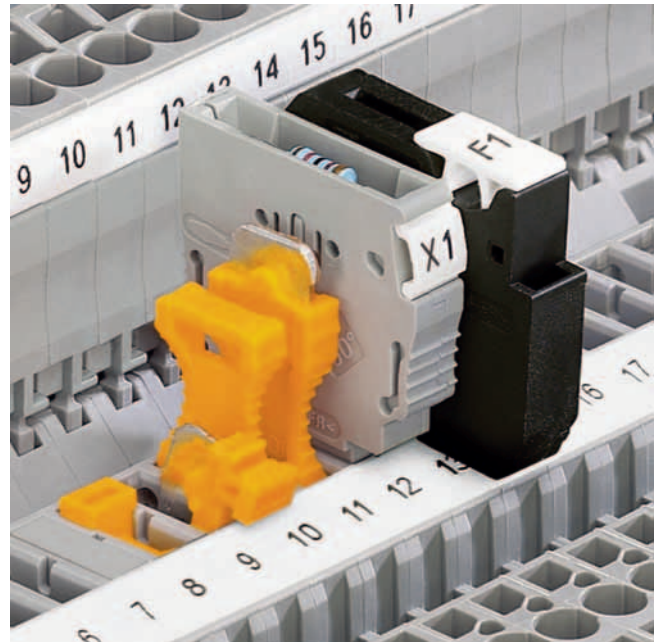
When feeding in large cross-sections, the reducing comb enables time and cost-saving distribution of the potential. The reducing comb can be used (for example) to connect a 10 mm² through-type terminal with a 2.5 mm² through-type terminal and two clamping points.

Standardized connecting comb system



The standardized connecting comb system allows up to 50 terminals to be connected efficiently and quickly with a single jumper. Teeth can be removed to skip individual terminals.

Universal plug-in zone



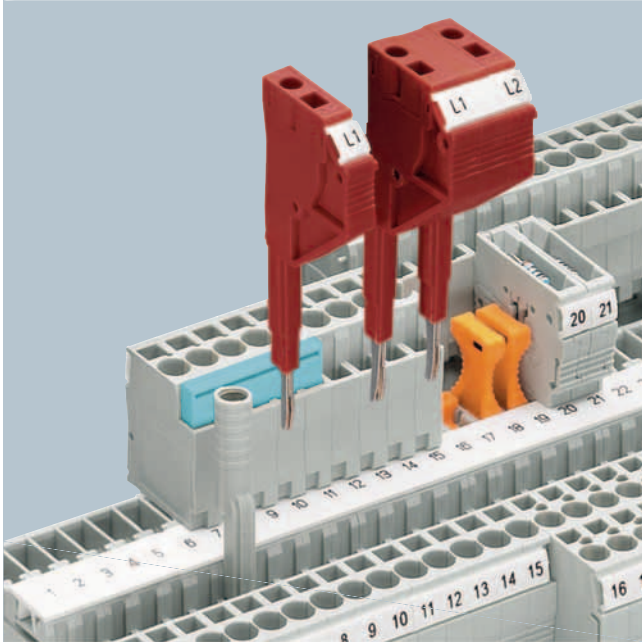
The universal plug-in zone of the isolating terminal can accommodate isolated through-type connectors, isolating plugs, component connectors and fused connectors.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

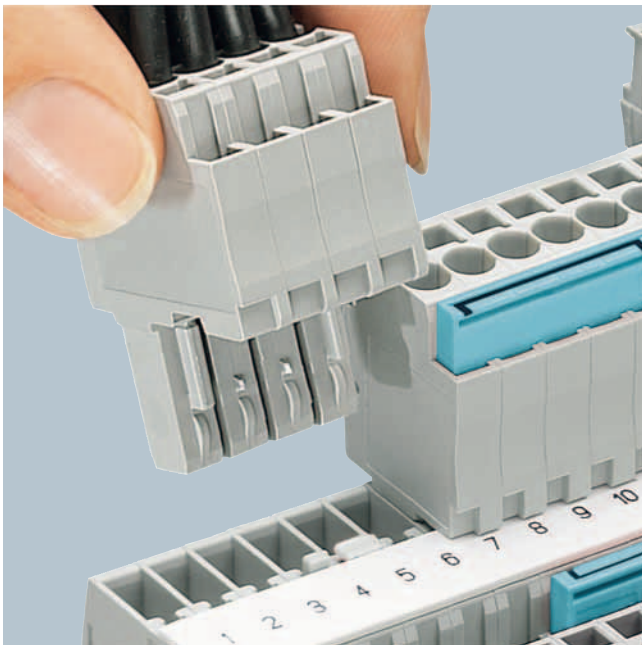
Introduction

Assembling test adapters



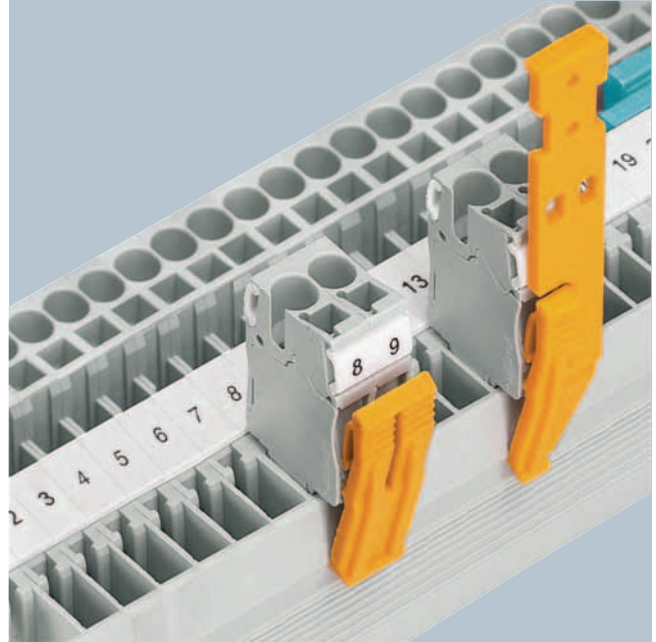
Test adapters are available for Ø 4 mm test and safety test plugs. Test adapters can be individually assembled, thanks to the modular design of the test plugs. Test leads can be connected over a 1.5 mm² spring-loaded terminal.

Coding the combination plug-in terminals



The combination plug-in terminals can be coded with the pin on the plug. The pin is simply removed from the plug, rotated and fitted in the coding position of the base terminal.

Snap-on strain relief



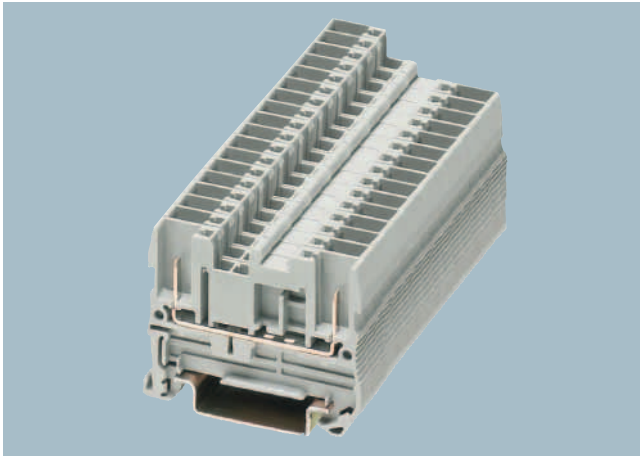
Snap-on clamps are available to relieve cable strain at the plugs. Latches are also available to secure the plugs firmly to the base terminals.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 through-type terminals

Overview



Plugs can be connected at both sides of the terminal using the through-type terminals of the combination plug-in terminals. This makes the combination plug-in terminal system even more flexible and allows the terminals to be used as connecting elements between modules.

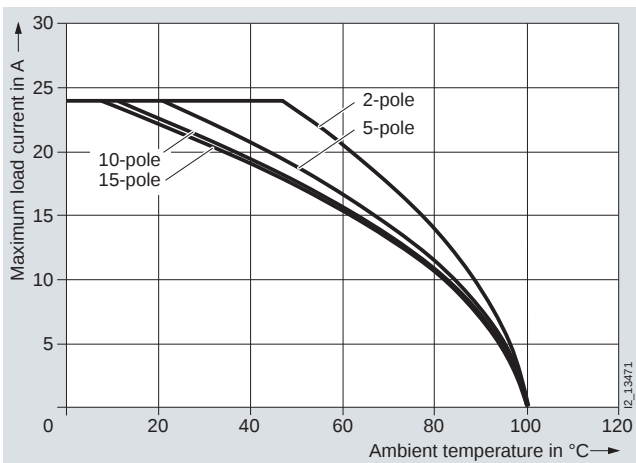
Plugs with a terminal size of 2.5 mm² enable the use of common accessories, such as latches, strain relief and shield connectors.

PE terminals with the same contour are available for the base terminals. These are simply snapped onto the support rail to establish a connection to ground potential.

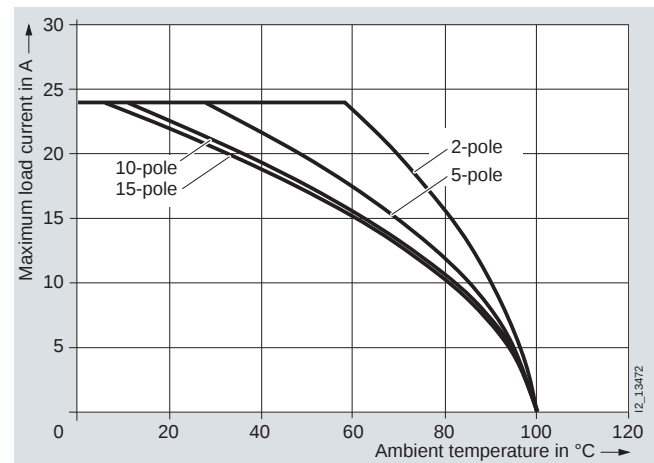
Technical specifications

	8WH5 000-0AF00, 8WH5 000-0AF01	8WH5 004-0AF00, 8WH5 004-0AF01	8WH5 000-0CF07	8WH5 004-0CF07
Dimensions				
• Width / length / width of cover in mm	5.2 / 48.5 / 2.2	5.2 / 89.5 / 2.2	5.2 / 48.5 / 2.2	5.2 / 89.5 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	36.5 / 44	36.5 / 44	36.5 / 44	36.5 / 44
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A ¹⁾ / cross-section in mm ²	24 / 4	24 / 4	--	--
• Rated impulse withstand voltage in kV / pollution degree	6 / 3	6 / 3	6 / 3	6 / 3
• Overvoltage category / insulating group	III / I	III / I	III / I	III / I
Connection capacities				
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 2.5	0.25 ... 2.5	0.25 ... 2.5
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5	0.25 ... 2.5	0.25 ... 2.5	0.25 ... 2.5
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5	0.5	0.5	0.5
Insulation type				
• Flammability class acc. to UL 94	PA	PA	PA	PA
• Approval data (UL/CUL and CSA)	V0	V0	V0	V0
Rated voltage / current / cable sizes				
- UL/CUL: in V/A / AWG	300 / 20 / --	300 / 20 / --	-- / -- / -- See section <i>Plugs</i>	-- / -- / --
- CSA: in V/A / AWG	--	--	--	--
Support rails/protective conductor busbars			See section <i>Support rails</i>	

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



Derating curve for 8WH5 000-0AF00



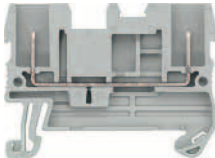
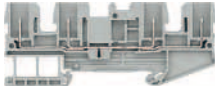
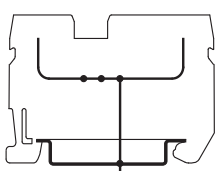
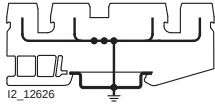
Derating curve for 8WH5 004-0AF00

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 through-type terminals

Selection and ordering data

Version	DT	Order No.	Price per PU	PU	PS*/ P. unit	PG	
				Unit(s)	Unit(s)		
Terminal size 2.5 mm²							
	Through-type terminals, terminal size 2.5 mm² - Terminal width 5.2 mm - UL US - IEC 61984 - I = 24 A - U = 500 V						
8WH5 000-0AF00							
							
8WH5 004-0AF00							
Versions							
- Gray - Two clamping points - Four clamping points - Blue - Two clamping points - Four clamping points	C	8WH5 000-0AF00	1	50	044		
	C	8WH5 004-0AF00	1	50	044		
	C	8WH5 000-0AF01	1	50	044		
	C	8WH5 004-0AF01	1	50	044		
Note							
On terminal with four clamping points, the total current through all connected conductors must not exceed the max. load current.							
Accessories	Section	Page					
- Compartment partitions, for terminal sizes 1.5 to 4 mm² - For two clamping points - For four clamping points	Accessories	13/8	C	8WH9 070-0AA00	100	50	044
	Accessories	13/8	C	8WH9 070-0HA00	100	50	044
- Covers, for terminal size 2.5 mm² - Two clamping points - Four clamping points	Accessories	13/8	C	8WH9 000-1GA00	100	50	044
	Accessories	13/8	C	8WH9 000-4NA00	100	50	044
Cover segments, for terminal size 2.5 mm² and four clamping points	Accessories	13/8	C	8WH9 000-1LA00	100	50	044
	Through-type PE terminals, terminal size 2.5 mm² - Green-yellow - Terminal width 5.2 mm - UL US - IEC 61984						
8WH5 000-0CF07							
							
8WH5 004-0CF07							
							
8WH5 004-0CF07							
							
8WH5 004-0CF07							
Versions							
- Two clamping points - Four clamping points	C	8WH5 000-0CF07	1	50	044		
	C	8WH5 004-0CF07	1	50	044		
Accessories							
- Compartment partitions, for terminal sizes 1.5 to 4 mm² - For two clamping points - For four clamping points	Accessories	13/8	C	8WH9 070-0AA00	100	50	044
	Accessories	13/8	C	8WH9 070-0HA00	100	50	044
- Covers, for terminal size 2.5 mm² - Two clamping points - Four clamping points	Accessories	13/8	C	8WH9 000-1GA00	100	50	044
	Accessories	13/8	C	8WH9 000-4NA00	100	50	044
Cover segments, for terminal size 2.5 mm² and four clamping points	Accessories	13/8	C	8WH9 000-1LA00	100	50	044

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 through-type terminals

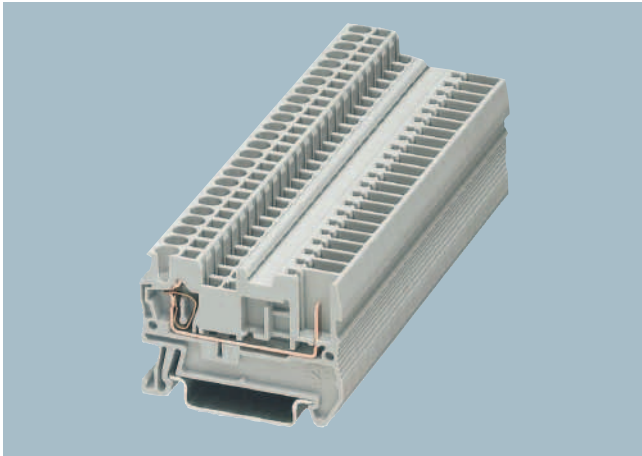
Version		DT	Order No.	Price per PU	PU Unit(s)	PS*/ P. unit Unit(s)	PG
Accessories							
	Compartment partitions, for terminal size 1.5 to 4 mm²						
	- For visual and electrical separation of terminal groups 2 mm thick						
	Versions						
8WH9 070-0AA00	• For two clamping points	C	8WH9 070-0AA00		100	50	044
	• For four clamping points	C	8WH9 070-0HA00		100	50	044
	Cover segments, for terminal size 2.5 mm² and four clamping points						
	- Gray - For covering multi-wire terminals when mounting two-wire terminals side-by-side						
8WH9 000-1LA00			C	8WH9 000-1LA00	100	50	044
	Covers, for terminal size 2.5 mm²						
	Gray						
	Versions						
8WH9 000-4NA00	• Two clamping points	C	8WH9 000-1GA00		100	50	044
	• Four clamping points	C	8WH9 000-4NA00		100	50	044

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid through-type terminals

Overview



The hybrid through-type terminals provide a modular solution for fast, flexible wiring of plants and machines. They combine the advantages of the combination terminal system with those of spring-loaded terminals.

Technical specifications

	8WH5 100-2KF00 8WH5 100-2KF01	8WH5 103-2LF00 8WH5 103-2LF01	8WH5 104-2MF00 8WH5 104-2MF01	8WH5 100-3KF07
Dimensions				
• Width / length / width of cover in mm	5.2 / 48.5 / 2.2	5.2 / 60.5 / 2.2	5.2 / 81 / 2.2	5.2 / 48.5 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	36.5 / 44			
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A ¹⁾ / cross-section in mm ²	24 / 4			--
• Rated impulse withstand voltage in kV / pollution degree	6 / 3			
• Overvoltage category / insulating group	III / I			
Connection capacities				
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5			
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5			
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5			
Stripped length	10			
Plug gage (IEC 60947-1)	A3			
Insulation type	PA			
• Flammability class acc. to UL 94	V0			
Approval data (UL/CUL and CSA)				
• Rated voltage / current / cable sizes				
- UL/CUL: in V/A / AWG	300 / 20 / 26-12			-- / -- / 26-12
- CSA: in V/A / AWG	--			
Support rails/protective conductor busbars	--			See section Support rails

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

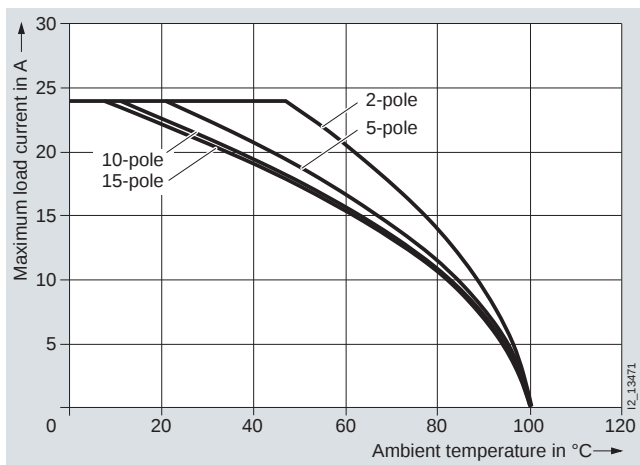
ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

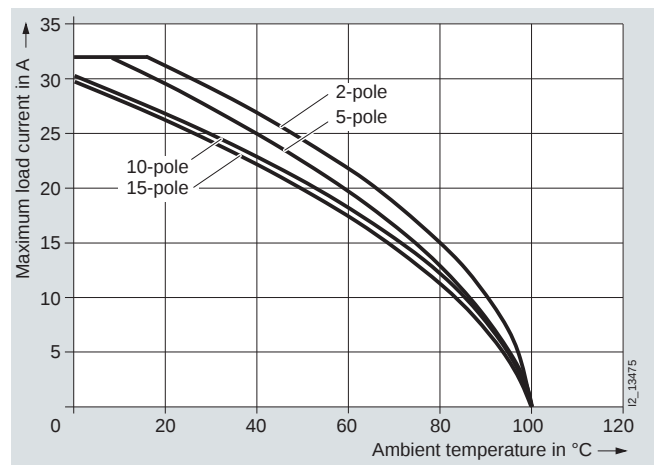
8WH5 hybrid through-type terminals

	8WH5 103-3LF07	8WH5 104-3MF07	8WH5 100-2KG00 8WH5 100-2KG01	8WH5 100-3KG07
Dimensions				
• Width / length / width of cover in mm	5.2 / 60.5 / 2.2	5.2 / 81 / 2.2	6.2 / 55.9 / 2.2	
• Height (TS 35/7.5 / TS 35/15) in mm	36.5 / 44			
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A ¹⁾ / cross-section in mm ²	--		32 / 6	--
• Rated impulse withstand voltage in kV / pollution degree	6 / 3			
• Overvoltage category / insulating group	III / I			
Connection capacities				
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5		0.25 ... 4	
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5		0.25 ... 4	
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5		0.5 ... 1	
Stripped length	10			
Plug gage (IEC 60947-1)	A3		A4	
Insulation type				
• Flammability class acc. to UL 94	V0			
Approval data (UL/CUL and CSA)				
• Rated voltage / current / cable sizes				
- UL/CUL: in V/A / AWG	-- / -- / 26-12		Applied for	
- CSA: in V/A / AWG	--		Applied for	
Support rails/protective conductor busbars	See section <i>Support rails</i>		--	See section <i>Support rails</i>

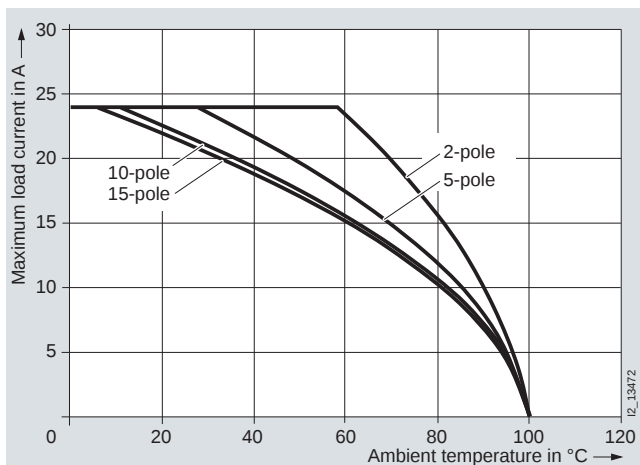
¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



Derating curve for 8WH5 100-2KF00 and 8WH5 103-2LF00



Derating curve for 8WH5 100-2KG00



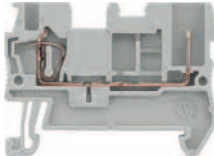
Derating curve for 8WH5 104-2MF00

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid through-type terminals

Selection and ordering data

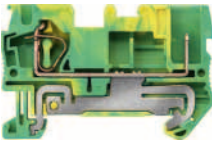
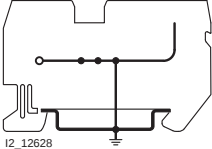
Version	DT	Order No.	Price per PU	PU	PS*/ P. unit	PG																																																										
				Unit(s)	Unit(s)																																																											
Terminal size 2.5 mm²																																																																
	Hybrid through-type terminals, terminal size 2.5 mm² - Terminal width 5.2 mm - UL US - IEC 61984 - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 24 A - U = 500 V - Green-yellow																																																															
8WH5 100-2KF00																																																																
	Versions - Gray - Two clamping points - Three clamping points - Four clamping points - Blue - Two clamping points - Three clamping points - Four clamping points																																																															
8WH5 103-2LF00	C	8WH5 100-2KF00		1	50	044																																																										
	C	8WH5 103-2LF00		1	50	044																																																										
	C	8WH5 104-2MF00		1	50	044																																																										
	C	8WH5 100-2KF01		1	50	044																																																										
	C	8WH5 103-2LF01		1	50	044																																																										
	C	8WH5 104-2MF01		1	50	044																																																										
Note On terminal with three and four clamping points, the total current through all connected conductors must not exceed the max. load current.																																																																
<table><tr><th>Accessories</th><th>Section</th><th>Page</th><th></th><th></th><th></th><th></th></tr><tr><td rowspan="3"> - Compartment partitions, for terminal size 1.5 to 4 mm² - For two clamping points - For three clamping points - For four clamping points </td><td>Accessories</td><td>13/13</td><td>C</td><td>8WH9 070-0AA00</td><td>100</td><td>50 044</td></tr><tr><td>Accessories</td><td>13/13</td><td>C</td><td>8WH9 070-0GA00</td><td>100</td><td>50 044</td></tr><tr><td>Accessories</td><td>13/13</td><td>C</td><td>8WH9 070-0HA00</td><td>100</td><td>50 044</td></tr><tr><td rowspan="3"> - Covers, for terminal sizes 1.5 to 2.5 mm² - Two clamping points - Three clamping points - Four clamping points </td><td>Accessories</td><td>13/13</td><td>C</td><td>8WH9 000-2GA00</td><td>100</td><td>50 044</td></tr><tr><td>Accessories</td><td>13/13</td><td>C</td><td>8WH9 000-4GA00</td><td>100</td><td>50 044</td></tr><tr><td>Accessories</td><td>13/13</td><td></td><td>8WH9 000-5LA00</td><td>on request</td><td></td></tr><tr><td rowspan="2"> - Cover segments, for terminal size 2.5 mm² - Three clamping points - Four clamping points </td><td>Accessories</td><td>13/13</td><td>A</td><td>8WH9 000-0GA00</td><td>100</td><td>10 044</td></tr><tr><td>Accessories</td><td>13/13</td><td>A</td><td>8WH9 000-0LA00</td><td>100</td><td>50 044</td></tr></table>							Accessories	Section	Page					- Compartment partitions, for terminal size 1.5 to 4 mm² - For two clamping points - For three clamping points - For four clamping points	Accessories	13/13	C	8WH9 070-0AA00	100	50 044	Accessories	13/13	C	8WH9 070-0GA00	100	50 044	Accessories	13/13	C	8WH9 070-0HA00	100	50 044	- Covers, for terminal sizes 1.5 to 2.5 mm² - Two clamping points - Three clamping points - Four clamping points	Accessories	13/13	C	8WH9 000-2GA00	100	50 044	Accessories	13/13	C	8WH9 000-4GA00	100	50 044	Accessories	13/13		8WH9 000-5LA00	on request		- Cover segments, for terminal size 2.5 mm² - Three clamping points - Four clamping points	Accessories	13/13	A	8WH9 000-0GA00	100	10 044	Accessories	13/13	A	8WH9 000-0LA00	100	50 044
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	Accessories	13/13	A	8WH9 000-0LA00	100	50 044																																																										

* You can order this quantity or a multiple thereof.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid through-type terminals

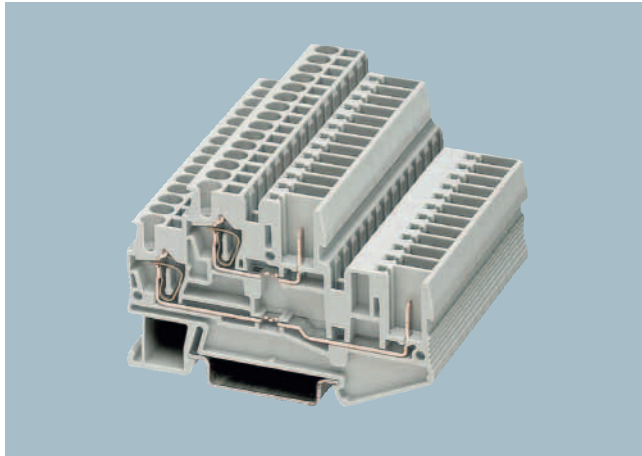
Version	DT	Order No.	Price per PU	PU	PS*/ P. unit	PG
				Unit(s)	Unit(s)	
 8WH5 100-3KG07	C	8WH5 100-3KG07		1	50	044
Hybrid through-type PE terminals, terminal size 4 mm², two clamping points - Terminal width 6.2 mm - IEC 61984 - Rigid, 0.08 ... 6 mm² - Flexible, 0.08 ... 4 mm² - AWG 28-10 - Green-yellow						
 I2_12628 8WH5 100-3KG07						
Accessories	Section	Page				
Compartment partitions, for terminal sizes 1.5 to 4 mm² and two clamping points	Accessories	13/13	C	8WH9 070-0AA00	100	50 044
Covers, for terminal size 4 mm² and two clamping points	Accessories	13/13	C	8WH9 003-1GA00	100	50 044
Accessories						
 8WH9 070-0AA00						
Compartment partitions, for terminal size 1.5 to 4 mm² - For visual and electrical separation of terminal groups 2 mm thick						
Versions						
For two clamping points	C	8WH9 070-0AA00		100	50	044
For three clamping points	C	8WH9 070-0GA00		100	50	044
For four clamping points	C	8WH9 070-0HA00		100	50	044
 8WH9 000-4LA00						
Covers						
Versions						
- For terminal sizes 1.5 to 2.5 mm² - Two clamping points - Three clamping points - Four clamping points	C	8WH9 000-2GA00		100	50	044
	C	8WH9 000-4GA00		100	50	044
		8WH9 000-5LA00		on request		
- For terminal size 4 mm² - Two clamping points	C	8WH9 003-1GA00		100	50	044
Cover segments, for terminal size 2.5 mm²						
Versions						
Three clamping points	A	8WH9 000-0GA00		100	10	044
Four clamping points	A	8WH9 000-0LA00		100	50	044
 8WH9 000-0LA00						

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid two-tier terminals

Overview

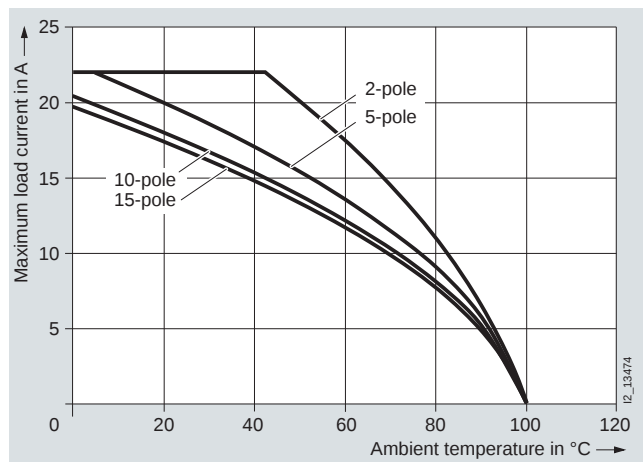


With the two voltage levels routed through two separate tiers, the combination two-tier plug-in terminals require 50 % less space than equivalent single-tier terminals. To implement a wide range of switching tasks, connecting combs can be fitted to both tiers of the combination two-tier plug-in terminals.

Technical specifications

	8WH5 120-2MF00 8WH5 120-2MF01 8WH5 125-2MF00 8WH5 125-2MF01	8WH5 120-3MF07
Dimensions		
• Width / length / width of cover in mm	5.2 / 71.5 / 2.2	
• Height (TS 35/7.5 / TS 35/15) in mm	47.5 / 55	
Technical specifications acc. to IEC/DIN VDE		
• Max. load current in A ¹⁾ / cross-section in mm ²	22 / 4	--
• Rated impulse withstand voltage in kV / pollution degree	6 / 3	
• Overvoltage category / insulating group	III / I	
Connection capacities		
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5	
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5	
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5	
Stripped length	10	
Plug gage (IEC 60947-1)	A3	
Insulation type	PA	
• Flammability class acc. to UL 94	V0	
Approval data (UL/CUL and CSA)		
• Rated voltage / current / cable sizes		
- UL/CUL: in V/A / AWG	300 / 20 / 26-12	-- / -- / 26-12
- CSA: in V/A / AWG	--	
Support rails/protective conductor busbars	--	See section <i>Support rails</i>

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



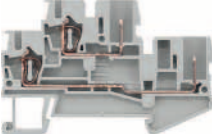
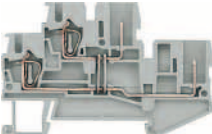
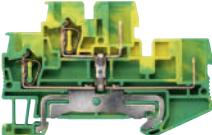
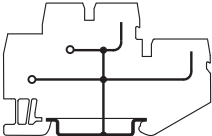
Derating curve for 8WH5 120-2MF00 and 8WH5 125-2MF00

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid two-tier terminals

Selection and ordering data

Version	DT	Order No.	Price per PU	PU Unit(s)	PS* / P. unit Unit(s)	PG
Terminal size 2.5 mm²						
 8WH5 120-2MF00	Hybrid two-tier terminals, terminal size 2.5 mm² - Terminal width 5.2 mm  - IEC 61984 - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 22 A - U = 500 V					
	Versions - Gray - Without equipotential bonding - With equipotential bonding - Blue - Without equipotential bonding - With equipotential bonding					
 8WH5 125-2MF00	C	8WH5 120-2MF00		1	50	044
	C	8WH5 125-2MF00		1	50	044
	C	8WH5 120-2MF01		1	50	044
	C	8WH5 125-2MF01		1	50	044
Note						
On terminal with equipotential bonding, the total current through all connected conductors must not exceed the max. load current.						
Accessories	Section	Page				
• <i>Compartment partitions, for terminal sizes 1.5 to 4 mm²</i>	<i>Accessories</i>	13/15	C	8WH9 070-0BA00	100	50 044
• <i>Covers, for terminal size 2.5 mm²</i>	<i>Accessories</i>	13/15	C	8WH9 000-1MA00	100	50 044
Hybrid two-tier PE terminals, terminal size 2.5 mm²						
 8WH5 120-3MF07	C	8WH5 120-3MF07		1	50	044
	Hybrid two-tier PE terminals, terminal size 2.5 mm² - Green-yellow - Terminal width 5.2 mm  - IEC 61984 - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12					
 8WH5 120-3MF07	Accessories					
	Compartment partitions, for terminal size 1.5 to 4 mm² - For visual and electrical separation of terminal groups 2 mm thick					
 8WH5 120-3MF07	C	8WH9 070-0BA00		100	50	044
	C	8WH9 000-1MA00		100	50	044
Accessories						
 8WH9 070-0BA00	Compartment partitions, for terminal size 1.5 to 4 mm²					
	- For visual and electrical separation of terminal groups 2 mm thick					
 8WH9 000-1MA00	C	8WH9 000-1MA00		100	50	044
	Covers, for terminal size 2.5 mm²					
	Gray					

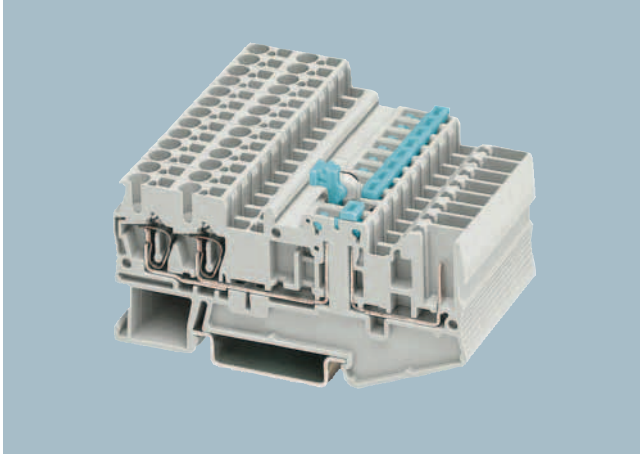
* You can order this quantity or a multiple thereof.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid isolating blade terminals

Overview



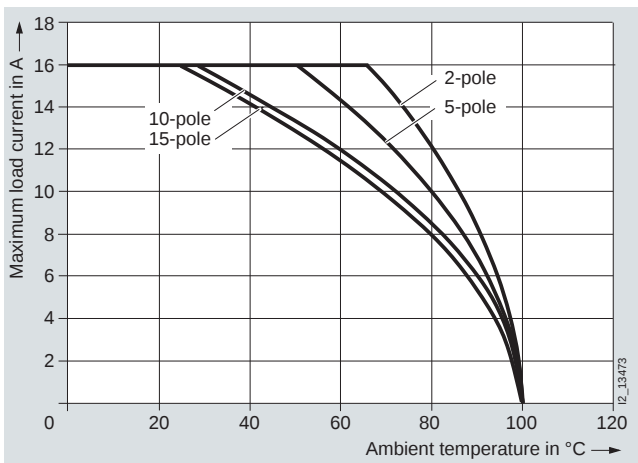
Through-type terminals with isolating blade capability are the most commonly used terminal types in instrumentation and control. Key features of the hybrid isolating blade terminals are their narrow width of only 5.2 mm and their high current carrying capacity of 16 A. Ø 2.3-mm test plugs can be fitted on both sides of the isolating point. A special feature of this terminal type is its three bridge slots: the two slots that all the combination plug-in series have in common and an extra one on the other side of the isolating point.

The isolating blade is secured to the terminal so that it cannot be lost.

Technical specifications

	8WH5 103-6EF00
Dimensions	
• Width / length / width of cover in mm	5.2 / 81 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	36.5 / 44
Technical specifications acc. to IEC/DIN VDE	
• Max. load current in A ¹⁾ / cross-section in A / mm ²	16 / 4
• Rated impulse withstand voltage in kV / pollution degree	6 / 3
• Overvoltage category / insulating group	III / I
Connection capacities	
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5
Stripped length	10
Plug gage (IEC 60947-1)	A3
Insulation type	PA
• Flammability class acc. to UL 94	V0
Approval data (UL/CUL and CSA)	
• Rated voltage / current / cable sizes	
- UL/CUL: in V/A / AWG	Applied for
- CSA: in V/A / AWG	Applied for

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.



Derating curve for 8WH5 103-6EF00

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid isolating blade terminals

Selection and ordering data

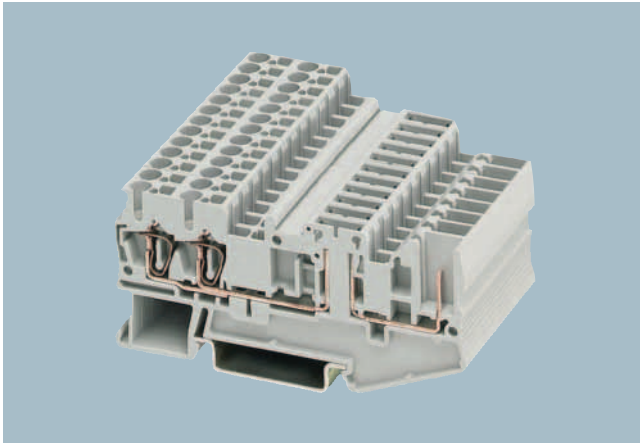
Version		DT	Order No.	Price per PU	PU Unit(s)	PS*/ P. unit Unit(s)	PG
Terminal size 2.5 mm²							
 8WH5 103-6EF00  I2_12632 8WH5 103-6EF00	Hybrid isolating blade terminals, terminal size 2.5 mm²		C	8WH5 103-6EF00	1	50	044
	• Gray • Terminal width 5.2 mm • With three clamping points (2 × spring-loaded terminal, 1 × combination plug-in terminal connection) • IEC 61984 - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 16 A - U = 400 V						
	Accessories	Section	Page				
	• <i>Compartment partitions, for terminal sizes 1.5 to 4 mm² and four clamping points</i>	Accessories	13/17	C	8WH9 070-0HA00	100	50 044
	• <i>Covers, for terminal size 2.5 mm² and four clamping points</i>	Accessories	13/17	C	8WH9 000-4LA00	100	50 044
Accessories							
	Compartment partitions, for terminal size 1.5 to 4 mm² and four clamping points		C	8WH9 070-0HA00	100	50	044
	• For visual and electrical separation of terminal groups • 2 mm thick						
 8WH9 000-4LA00	Covers, for terminal size 2.5 mm² and four clamping points		C	8WH9 000-4LA00	100	50	044

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid isolating terminals

Overview



Through-type terminals with isolating point are the most commonly used terminal types in instrumentation and control. The isolating point can accommodate through-type connectors, isolating plugs, component connectors and fused connectors. The isolating terminals excel with their narrow width of only 5.2 mm and their high current carrying capacity of 16 A. Ø 2.3-mm test plugs can be fitted on both sides of the isolating point. A special feature of this terminal type is its three bridge slots.

The slim 5.2 mm isolating terminal with terminal size 2.5 mm² is a base terminal and is used for holding:

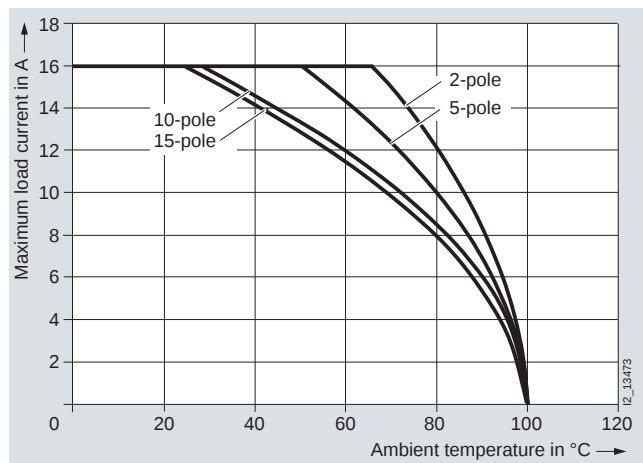
- Isolating plugs
- Through-type connectors
- Fused connectors
- Component connectors

Technical specifications

	8WH5 103-6FF00
Dimensions	
• Width / length / width of cover in mm	5.2 / 81 / 2.2
• Height (TS 35/7.5 / TS 35/15) in mm	36.5 / 44
Technical specifications acc. to IEC/DIN VDE	
• Max. load current in A ¹⁾ / cross-section in mm ²	16 / 4
• Rated impulse withstand voltage in kV / pollution degree	6 / 3
• Overvoltage category / insulating group	III / I
Connection capacities	
• Flexible with end sleeve with plastic sleeve in mm ²	0.25 ... 2.5
• Flexible with end sleeve without plastic sleeve in mm ²	0.25 ... 2.5
• Flexible with two-wire connection end sleeve with plastic sleeve in mm ²	0.5
Stripped length	10
Plug gage (IEC 60947-1)	A3
Insulation type	PA
• Flammability class acc. to UL 94	V0
Approval data (UL/CUL and CSA)	
• Rated voltage / current / cable sizes	
- UL/CUL: in V/A / AWG	Applied for
- CSA: in V/A / AWG	Applied for

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

G fuse links 5 × 20 mm to IEC 60947-7-3	U	Overload protection		Without short-circuit protection		I _{max}
		Separate	Interconnected	Separate	Interconnected	
8WH2 000-1GG08	250 V	1.6 W	1.6 W	4 W	2.5 W	6.3 A



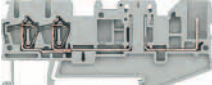
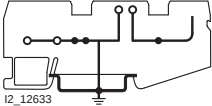
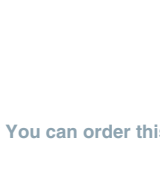
Derating curve for 8WH5 103-6FF00

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH5 hybrid isolating terminals

Selection and ordering data

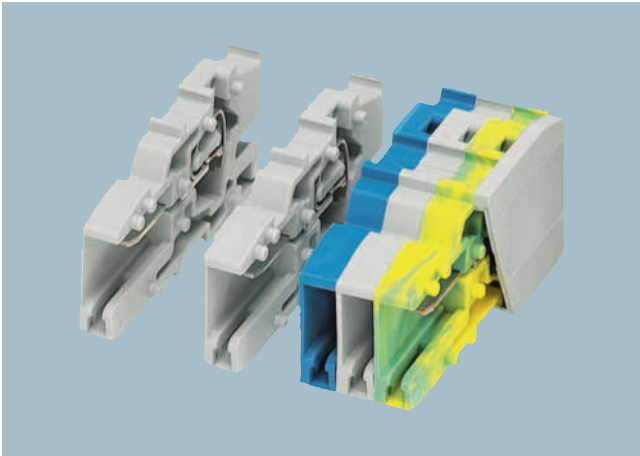
Version	DT	Order No.	Price per PU	PU Unit(s)	PS*/P. unit Unit(s)	PG
Terminal size 2.5 mm²						
 8WH5 103-6FF00  8WH5 103-6FF00	C	8WH5 103-6FF00		1	50	044
Hybrid isolating terminals, terminal size 2.5 mm² • Gray • Terminal width 5.2 mm • With three clamping points (2 × spring-loaded terminal, 1 × combination plug-in terminal connection) • IEC 61984 - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 16 A - U = 400 V - Current and voltage are determined by the fitted plug.						
Accessories	Section	Page				
Compartment partitions, for terminal sizes 1.5 to 4 mm ² and four clamping points	Accessories	13/19	C	8WH9 070-0HA00	100	50 044
Covers, for terminal size 2.5 mm ² and four clamping points	Accessories	13/19	C	8WH9 000-4LA00	100	50 044
Plug-in zone connectors						
• Isolating plugs	Accessories	13/19	C	8WH9 040-0DB04	1	50 044
• Through-type connectors	Accessories	13/19	C	8WH9 020-8AB00	1	50 044
• Fused connectors						
- With LED display for 12 to 30 V	Accessories	13/19	C	8WH9 040-3AB08	1	10 044
- With LED display for 30 to 60 V	Accessories	13/19	C	8WH9 040-3BB08	1	10 044
- With LED display for 110 to 250 V	Accessories	13/19	C	8WH9 040-3CB08	1	10 044
- Without LED display	Accessories	13/19	C	8WH9 040-3DB08	1	10 044
• Component connectors	Accessories	13/19	C	8WH9 040-0BB00	1	10 044
Accessories						
Compartment partitions, for terminal size 1.5 to 4 mm ² and four clamping points	C	8WH9 070-0HA00		100	50	044
• For visual and electrical separation of terminal groups						
• 2 mm thick						
 8WH9 000-4LA00	C	8WH9 000-4LA00		100	50	044
Covers, for terminal size 2.5 mm² and four clamping points						
 8WH9 040-0DB04	C	8WH9 040-0DB04		1	50	044
 8WH9 020-8AB00	C	8WH9 020-8AB00		1	50	044
 8WH9 040-3AB08	C	8WH9 040-3AB08		1	10	044
 8WH9 040-3BB08	C	8WH9 040-3BB08		1	10	044
 8WH9 040-3CB08	C	8WH9 040-3CB08		1	10	044
 8WH9 040-3DB08	C	8WH9 040-3DB08		1	10	044
 8WH9 040-0BB00	C	8WH9 040-0BB00		1	10	044
Plug-in zone connectors						
Versions						
• Isolating plugs	C	8WH9 040-0DB04		1	50	044
- Orange						
• Through-type connectors	C	8WH9 020-8AB00		1	50	044
- Gray						
• Fused connectors						
- Black						
- 5 x 20 mm G fuses can be fitted in fused connectors (I _{max} = 6.3 A)						
Versions						
- With LED display for 12 to 30 V	C	8WH9 040-3AB08		1	10	044
- With LED display for 30 to 60 V	C	8WH9 040-3BB08		1	10	044
- With LED display for 110 to 250 V	C	8WH9 040-3CB08		1	10	044
- Without LED display	C	8WH9 040-3DB08		1	10	044
Note						
- G fuse holders must be selected according to the max. power loss (heat dissipation) of the G fuse links. Depending on the application and installation method, the heating conditions must be tested in enclosed fuse holders. - Higher ambient temperatures add to the load of the fuse links. so that the offset of the rated current must also be taken into account. - Max. power loss at 23 °C (according to IEC 60947-7-3): when selecting G fuse links, make sure that they do not exceed the maximum power loss specified in the section <i>Technical specifications</i>. For specification details, contact the fuse manufacturer.						
• Component connectors	C	8WH9 040-0BB00		1	10	044
- Gray						
- Labeling plates offer facility for inscription, for terminal width 5.2 mm						

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plug-in connectors

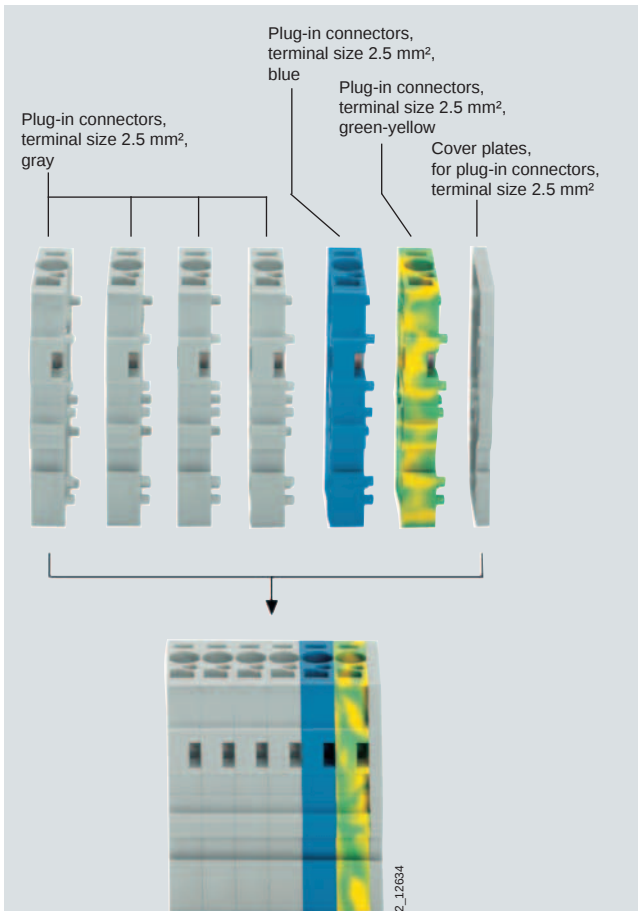
Overview



Assembled by the user in-situ from single-pin elements, the plug-in connectors in kit form provide a custom solution for every task.

The basic single-pole connector elements are available in the colors gray, blue and green-yellow.

Design



Example of a 6-pin connector

The required number of single-connector elements and one cover are needed for each multi-pole connector. The individual elements and the cover are simply pushed together and latched with securing pins.

When assembling connectors for direct installation, an element with securing pins should be fitted at each end of the connector. For longer connectors, it is advisable to use an element with securing pins for at least every sixth element.

To ensure that the elements engage securely, the holes must be burr-free.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plug-in connectors

Technical specifications

	8WH9 050-0LB00 8WH9 050-0LB01	8WH9 050-0LB07	8WH9 050-0AB00 8WH9 050-0AB01	8WH9 050-0AB07
Dimensions				
• Width / length / width of cover in mm	5.2 / 37.2 / 2.2		6.2 / 48.6 / 3.2	
• Height (TS 35/7.5 / TS 35/15) in mm	18		22.3	
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A ¹⁾ / cross-section in A / mm²	24 / 4		32 / 6	
• Rated impulse withstand voltage in kV / pollution degree	6 / 3		8 / 3	
• Overvoltage category / insulating group	III / I		III / I	
Connection capacities				
• Flexible with end sleeve with plastic sleeve in mm²	0.25 ... 2.5		0.25 ... 4	
• Flexible with end sleeve without plastic sleeve in mm²	0.25 ... 2.5		0.25 ... 4	
• Flexible with two-wire connection end sleeve with plastic sleeve in mm²	0.5		1	
Stripped length	10			
Plug gage (IEC 60 947-1)	A3		A4	
Insulation type	PA			
• Flammability class acc. to UL 94	V0			
Approval data (UL/CUL and CSA)				
• Rated voltage / current / cable sizes				
- UL/CUL: in V/A / AWG	600 / 20 / 26-12		Applied for	
- CSA: in V/A / AWG	--		Applied for	
Support rails/protective conductor busbars	--	See section <i>Support Rails</i>	--	See section <i>Support rails</i>

¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plug-in connectors

Selection and ordering data

Version	DT	Order No.	Price per PU	PU Unit(s)	PS*/ P. unit Unit(s)	PG
Terminal size 2.5 mm²						
 8WH9 050-0LB00	Plug-in connectors, terminal size 2.5 mm² • Gray • Terminal width 5.2 mm •  us • Supply data - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 24 A - U = 500 V • Number of poles = 1					
	Versions					
	• Gray • Blue	C C	8WH9 050-0LB00 8WH9 050-0LB01	1 1	50 50	044 044
	Accessories	Section	Page			
Covers, for terminal size 2.5 mm ²		Accessories	13/22	C	8WH9 000-7LA00	100 50 044
 8WH9 050-0LB07	Plug-in PE connectors, terminal size 2.5 mm² • Green-yellow • Terminal width 5.2 mm •  us • Supply data - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 24 A - U = 500 V • Number of poles = 1					
	Versions					
	Accessories	Section	Page			
	Covers, for terminal size 2.5 mm ²	Accessories	13/22	C	8WH9 000-7LA00	100 50 044
Terminal size 4 mm²						
 8WH9 050-0AB00	Plug-in connectors, terminal size 4 mm² • Gray • Terminal width 6.2 mm • Supply data - Rigid, 0.08 ... 6 mm² - Flexible, 0.08 ... 24 mm² - AWG 28-10 - I = 32 A - U = 800 V • Number of poles = 1					
	Versions					
	• Gray • Blue	C C	8WH9 050-0AB00 8WH9 050-0AB01	1 1	50 50	044 044
	Accessories	Section	Page			
Covers, for terminal size 4 mm ²		Accessories	13/22	C	8WH9 003-7LA00	100 50 044
 8WH9 050-0AB07	Plug-in PE connectors, terminal size 4 mm² • Green-yellow • Terminal width 6.2 mm • Supply data - Rigid, 0.08 ... 6 mm² - Flexible, 0.08 ... 24 mm² - AWG 28-10 - I = 32 A - U = 800 V • Number of poles = 1					
	Versions					
	Accessories	Section	Page			
	Covers, for terminal size 4 mm ²	Accessories	13/22	C	8WH9 003-7LA00	100 50 044
Accessories						
Covers						
Gray						
Versions						
• For terminal size 2.5 mm ²		C	8WH9 000-7LA00	100	50	044
• For terminal size 4 mm ²		C	8WH9 003-7LA00	100	50	044

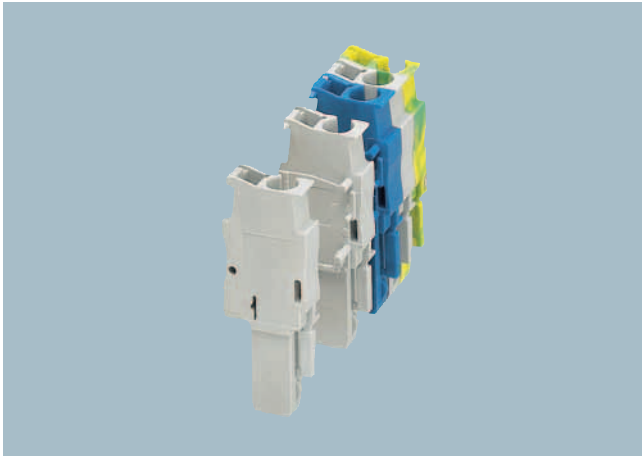
* You can order this quantity or a multiple thereof.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plugs

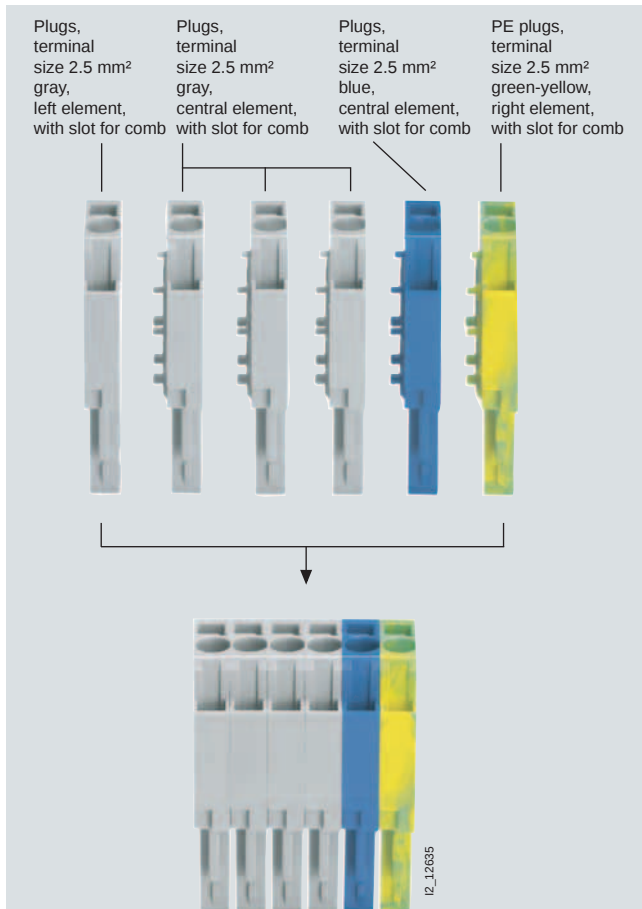
Overview



Assembled by the user in-situ from single-terminal elements, the combination plug-in connectors in kit form provide a custom solution for every task.

For existing plugs with terminal sizes 2.5 mm² and 4 mm², and the plug with comb connection and terminal size 2.5 mm², there are single-pole elements available in the colors gray, blue and green-yellow.

Design



Example of a 6-pin plug

A left and a right element are needed for the two ends of the assembled connector for each multi-pin plug. The number of middle elements depends on the plug's required number of poles. The individual elements are simply pushed together and latched with securing pins.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plugs

Technical specifications

	8WH9 040-1AB00 8WH9 040-1AB01 8WH9 040-1BB00 8WH9 040-1BB01 8WH9 040-1CB00 8WH9 040-1CB01 8WH9 040-1DB00 8WH9 040-1DB01 8WH9 040-1EB00 8WH9 040-1EB01 8WH9 040-1FB00 8WH9 040-1FB01	8WH9 040-1AB07 8WH9 040-1BB07 8WH9 040-1CB07 8WH9 040-1DB07 8WH9 040-1EB07 8WH9 040-1FB07	8WH9 050-1KB00 8WH9 050-1KB01 8WH9 050-1LB00 8WH9 050-1LB01 8WH9 050-1MB00 8WH9 050-1MB01	8WH9 050-1KB07 8WH9 050-1LB07 8WH9 050-1MB07
Dimensions				
• Width / length / width of cover in mm	--			
• Height (TS 35/7.5 / TS 35/15) in mm	--			
Technical specifications acc. to IEC/DIN VDE				
• Max. load current in A ¹⁾ / cross-section in A / mm²	24 / 4		32 / 6	
• Rated impulse withstand voltage in kV / pollution degree	6 / 3		8 / 3	
• Overvoltage category / insulating group	III / I			
Connection capacities				
• Flexible with end sleeve with plastic sleeve in mm²	0.25 ... 2.5		0.25 ... 4	
• Flexible with end sleeve without plastic sleeve in mm²	0.25 ... 2.5		0.25 ... 4	
• Flexible with two-wire connection end sleeve with plastic sleeve in mm²	0.5		0.5 ... 1	
Stripped length	10			
Plug gage (IEC 60947-1)	A3		A4	
Insulation type	PA			
• Flammability class acc. to UL 94	V0			
Approval data (UL/CUL and CSA)				
• Rated voltage / current / cable sizes				
- UL/CUL: in V/A / AWG	600 / 20 / 26-12		Applied for	
- CSA: in V/A / AWG	--		Applied for	
Support rails/protective conductor busbars	--	See section Support rails	--	See section Support Rails

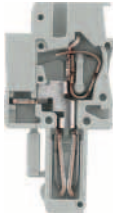
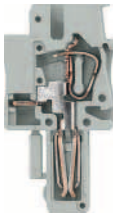
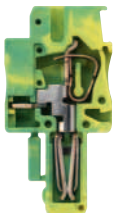
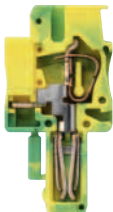
¹⁾ Derating of the load current is necessary for higher temperatures and/or multi-pole combination plug versions.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plugs

Selection and ordering data

Version		DT	Order No.	Price per PU	PU	PS*/P. unit	PG	
					Unit(s)	Unit(s)		
Terminal size 2.5 mm²								
				Plugs, terminal size 2.5 mm² - Terminal width 5.2 mm - Supply data - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 24 A - U = 500 V - Number of poles = 1				
8WH9 040-1DB00 / -1AB00		Versions						
				C	8WH9 040-1DB00	1	50	044
				C	8WH9 040-1EB00	1	50	044
				C	8WH9 040-1FB00	1	50	044
				C	8WH9 040-1AB00	1	50	044
				C	8WH9 040-1BB00	1	50	044
				C	8WH9 040-1CB00	1	50	044
				C	8WH9 040-1DB01	1	50	044
				C	8WH9 040-1EB01	1	50	044
				C	8WH9 040-1FB01	1	50	044
				C	8WH9 040-1AB01	1	50	044
				C	8WH9 040-1BB01	1	50	044
				C	8WH9 040-1CB01	1	50	044
Accessories		Section	Page					
Latches								
• With strain relief		Accessories	13/27	C	8WH9 050-2BA04	100	50	044
• Without strain relief		Accessories	13/27	C	8WH9 050-2AA04	100	50	044
8WH9 040-1FB00 / -1CB00								
				PE plugs, terminal size 2.5 mm² - Green-yellow - Terminal width 5.2 mm - Supply data - Rigid, 0.08 ... 4 mm² - Flexible, 0.08 ... 2.5 mm² - AWG 28-12 - I = 24 A - U = 500 V - Number of poles = 1				
8WH9 040-1DB07 / -1AB07		Versions						
				C	8WH9 040-1DB07	1	50	044
				C	8WH9 040-1EB07	1	50	044
				C	8WH9 040-1FB07	1	50	044
				C	8WH9 040-1AB07	1	50	044
				C	8WH9 040-1BB07	1	50	044
				C	8WH9 040-1CB07	1	50	044
Accessories		Section	Page					
Latches								
• With strain relief		Accessories	13/27	C	8WH9 050-2BA04	100	50	044
• Without strain relief		Accessories	13/27	C	8WH9 050-2AA04	100	50	044
8WH9 040-1EB07 / -1BB07								
								
8WH9 040-1FB07 / -1CB07								

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

8WH9 plugs

Version	DT	Order No.	Price per PU	PU Unit(s)	PS*/ P. unit Unit(s)	PG
Terminal size 4 mm²						
						
Plugs, terminal size 4 mm², without slot for comb - Terminal width 6.2 mm - Supply data - Rigid, 0.08 ... 6 mm² - Flexible, 0.08 ... 24 mm² - AWG 28-10 - I = 32 A - U = 800 V - Number of poles = 1						
Versions						
- Gray - Left element - Central element - Right element	C	8WH9 040-1KB00		1	50	044
	C	8WH9 040-1LB00		1	50	044
	C	8WH9 040-1MB00		1	50	044
- Blue - Left element - Central element - Right element	C	8WH9 040-1KB01		1	50	044
	C	8WH9 040-1LB01		1	50	044
	C	8WH9 040-1MB01		1	50	044
Accessories						
Latches						
• With strain relief	Accessories	13/27	C	8WH9 050-2BA04	100	50 044
• Without strain relief	Accessories	13/27	C	8WH9 050-2AA04	100	50 044
8WH9 040-1LB00						
8WH9 040-1MB00						
PE plugs, terminal size 4 mm², without slot for comb						
- Green-yellow - Terminal width 6.2 mm - Supply data - Rigid, 0.08 ... 6 mm² - Flexible, 0.08 ... 24 mm² - AWG 28-10 - I = 32 A - U = 800 V - Number of poles = 1						
Versions						
- Left element - Central element - Right element	C	8WH9 040-1KB07		1	50	044
	C	8WH9 040-1LB07		1	50	044
	C	8WH9 040-1MB07		1	50	044
Accessories						
Latches						
• With strain relief	Accessories	13/27	C	8WH9 050-2BA04	100	50 044
• Without strain relief	Accessories	13/27	C	8WH9 050-2AA04	100	50 044
8WH9 040-1KB07						
8WH9 040-1LB07						
8WH9 040-1MB07						

* You can order this quantity or a multiple thereof.

ALPHA FIX Terminal Blocks
Combination Plug-In Terminals

8WH9 plugs

Version		DT	Order No.	Price per PU	PU Unit(s)	PS*/ P. unit Unit(s)	PG
Accessories							
	Latches						
	Number of poles: 2						
	Versions						
	• With strain relief	C	8WH9 050-2BA04		100	50	044
	• Without strain relief	C	8WH9 050-2AA04		100	50	044

8WH9 050-2BA04

* You can order this quantity or a multiple thereof.

ALPHA FIX Terminal Blocks

Combination Plug-In Terminals

Support rails/protective conductor busbars

Technical specifications

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. permissi- ble thermal rated current at 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 60715 – 35 x 7.5	16	1.92	¹⁾
35	7.5	1.5	Perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60715 – 35 x 7.5	16	1.92	²⁾
35	7.5	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5	16	1.92	²⁾
35	7.5	1.5	Perforated	Steel	Galvanized	Standard mounting rail, dimensions acc. to EN 60715 – 35 x 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 60715 – 35 x 7.5	16	1.92	²⁾
35	7.5	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5	50	6.0	150
35	7.5	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, dimensions acc. to EN 60715 – 35 x 7.5	35	4.2	125
35	15	2.3	Non-perforated	Steel	Chromated	Standard mounting rail, acc. to EN 60715 – 35 x 15	50	6.0	²⁾
35	15	1.5	Non-perforated	Steel	Chromated	Standard mounting rail, similar to EN 60715 – 35 x 15	35	4.2	²⁾
35	15	1.5	Perforated	Steel	Chromated	Standard mounting rail, similar to EN 60715 – 35 x 15	35	4.2	²⁾
35	15	1.5	Non-perforated	Steel	Galvanized	Standard mounting rail, similar to EN 60715 – 35 x 15	35	4.2	²⁾
35	15	1.5	Perforated	Steel	Galvanized	Standard mounting rail, similar to EN 60715 – 35 x 15	35	4.2	²⁾
35	15	1.5	Non-perforated	Copper	Chromated	Standard mounting rail, similar to EN 60715 – 35 x 15	95	11.4	232
35	15	1.5	Non-perforated	Aluminum	Chromated	Standard mounting rail, similar to EN 60715 – 35 x 15	70	8.4	192

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

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