

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WA and 8WH Terminals with Screw Connection

### Insta- or three-tier terminals

#### Overview

The Insta or three-tier terminals incorporate up to 3 different terminal functions in one insulating body of 6 mm width. The width von 3 Insta terminals corresponds with the hole pitch of 18 mm standardized in distribution board assembly. To remove the terminals from the mounting rail, tools are required.

All connection points for incoming and outgoing cables have a notch for an identification label 8WA8 8... The PE/ground terminals are already marked green-yellow and the neutral conductor terminals blue.

The neutral conductor busbar has the same position for Insta terminals and neutral isolating terminals. This allows, for example, the use of a 16mm<sup>2</sup> neutral isolating terminal as an infeed for the neutral conductor busbar.

With 8WA1 011-3JF16, -3JF17 and -3JF18, the neutral conductor busbar can be routed with a mounting depth of 42.5 mm.

#### Insta terminal PE, L, NT

The 8WA1 011-3JF20 terminal is the basic version for AC circuits. It contains:

- PE/ground terminal

- Through-type connection for one phase conductor
- Neutral conductor connection which can be isolated from the 6 mm x 6 mm neutral busbar.

#### Insta terminal PE, L, N

If no neutral isolation is required, the 8WA1 011-3JF17 terminal is used:

- PE/ground terminal
- Through-type connection for one phase conductor
- Through-type connection for the neutral conductor

#### Insta terminal PE, L, L

Design of 8WA1 011-3JF16 terminal as previous version. Instead of the through-type connection for the neutral conductor, a through-type connection for a second phase conductor is fitted.

#### Insta terminal, L, L

Terminal 8WA1 011-3JF18 contains two through-type connections for two phase conductors. These are generally used for three-phase load circuits.

#### Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit						
		1 unit		Unit(s)						
<b>General details</b> <ul style="list-style-type: none"> <li>• Thermoplastic insulating base</li> <li>• Screw terminal on both sides</li> <li>• Enclosed on both sides</li> <li>• Neutral conductor connection, 6 mm x 6 mm neutral conductor connection</li> </ul>										
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#### Terminal size 2.5 mm<sup>2</sup>



8WA1 011-3JF16

#### Insta terminals, terminal size 2.5 mm<sup>2</sup>

- Rated uninterrupted current 24 A
- Rated insulation voltage
  - 400 V between phase conductors
  - 250 V between phase and PE conductors and for neutral isolating distance
- Mounting width 6 mm
- Terminal height 42.5 mm
- Terminal length 87 mm
- Screw terminal with double conductor run
- AWG 22-12




Circuit diagram	Type	Order No.	PG	PS* P. unit									
	PE, L, L	8WA1 011-3JF16	041	50									
	PE, L, N	8WA1 011-3JF17	041	50									
	L, L	8WA1 011-3JF18	041	50									
	PE, L, NT	8WA1 011-3JF20	041	50									
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		8WA1 825	041	50									
		8WA1 822-7TH00	041	50									

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## ALPHA FIX 8WA and 8WH Terminals with Screw Connection

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Insta- or three-tier terminals

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
<b>Accessories</b>				
<b>Covers</b> Up to three terminals side-by-side				
<b>Versions</b>				
<ul style="list-style-type: none"> <li>• With lightning symbol, for terminal size 4 and 6 mm<sup>2</sup></li> <li>• White, facility for inscription, for terminal size 4 and 6 mm<sup>2</sup></li> <li>• For link rails, for terminal size 2.5 to 6 mm<sup>2</sup> <ul style="list-style-type: none"> <li>- Transparent</li> <li>- White</li> </ul> </li> </ul>	<b>8WA1 811</b> <b>8WA1 862</b>  <b>8WA1 822-TAX01</b> <b>8WA1 822-TAX03</b>		041	50
<b>Feeder terminals, for neutral conductor busbar</b>				
<ul style="list-style-type: none"> <li>• 6 x 6 mm and 10 x 3 mm</li> <li>• Bare</li> </ul>				
<b>Versions</b>				
 <p>8WA2 867/8WA2 868/8WA2 870</p> <ul style="list-style-type: none"> <li>• Connection up to 4 mm<sup>2</sup></li> <li>• Connection up to 25 mm<sup>2</sup></li> <li>• Connection up to 35 mm<sup>2</sup></li> </ul>	<b>8WA2 867</b> <b>8WA2 868</b> <b>8WA2 870</b>		041	50
<b>End retainers, thermoplastic</b> Width 10 mm				
 <p>8WA1 808</p>	<b>8WA1 808</b>		041	50
<b>Device identification labels</b> For end retainer, blank label				
	<b>3TX4 210-0H</b>		101	100
<b>Insulation carriers, for surface mounting insulated mounting rails</b>				
 <p>8WA1 857</p>	<b>8WA1 857</b>		041	20
<b>Blank labels</b> For terminal marking				
	<b>8WA8 848-2AY</b>		041	100
<b>N/NP busbars</b>				
<ul style="list-style-type: none"> <li>• Rated uninterrupted current 125 A</li> <li>• 1109 mm long</li> <li>• 6 x 6 mm</li> <li>• For four-field</li> </ul>	<b>8GF9 324-2</b>		042	10
<b>Note</b>				
Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net is added.				
<b>Bars, flat copper</b>				
<ul style="list-style-type: none"> <li>• Bare</li> <li>• Rated uninterrupted current 125 A</li> <li>• Approx. 2400 mm long</li> <li>• 6 x 6 mm</li> </ul>	<b>8WC5 120</b>		103	1
<b>Note</b>				
Prices apply for orders from € 25.00. For orders below € 25.00, a processing charge of € 2.50 net is added.				
<b>Insulation plates, for terminal size 2.5 to 6 mm<sup>2</sup></b>				
	<b>8WA1 825</b>		041	50
<b>Link rails, for Insta terminals</b>				
<ul style="list-style-type: none"> <li>• For two terminals</li> <li>• For three terminals</li> <li>• For four terminals</li> <li>• For ten terminals</li> </ul>	<b>8WA1 822-7VF02</b> <b>8WA1 822-7VF03</b> <b>8WA1 822-7VF04</b> <b>8WA1 822-7VF10</b>		041	50
<b>Barriers, for Insta terminals, terminal size 2.5 mm<sup>2</sup> and measuring transformer terminals, terminal size 6 mm<sup>2</sup></b>				
	<b>8WA1 822-7TH00</b>		041	50

\* See pages 7/9 through 7/12 for 8WA package size requirements.