

# Terminal Blocks

## 8WA1 Terminals with Screw Connection

### Flat-type and bolt-type terminals

#### Overview

The flat-type and bolt-type terminals are an alternative to the terminals with hinged screw connection (8WA1 207 and 8WA1 208).

They can be used for current rails and – by means of cable lugs – for all conductor types. The additional space and mounting requirements for the cable lugs must be taken into consideration.

The flat-type terminals have through-holes. A second wrench must be used for backing up when tightening the screws. This prevents high forces from affecting the standard mounting rail. It is recommended, though, to use 15 mm high standard mounting rails.

The flat-type terminals have a label holder for up to four 8WA8 8.. labelling plates or one 3TX4 210-0H equipment identification label.

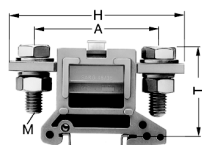
The bolt-type terminal have two label holders for two 8WA8 8.. labelling plates each.

#### Selection and ordering data

##### Through-type terminals · With insulating body of duroplastic

Dimensions <sup>1)</sup>	IEC ratings uninterrupted current	IEC ratings insulation voltage	UL ratings current / voltage	Description	Order No.	Price
--------------------------	-----------------------------------	--------------------------------	------------------------------	-------------	-----------	-------

##### Flat-type terminals · With screw connections on both sides



B = Rail width  
MA = Tightening torque

Dimension	Terminal size			
	70	95	150	240
A	60	66	74	82
B	18	25	32	40
H	84	90	106	122
M	M 8	M 10	M 12	M 16
T	47	47	47	50
MA (Nm)	6	10	15.5	30

##### Terminal size 70 · Assembly width 32 mm AWG 6-3/0 AWG 2/0-1

168 A AC 1000 V, DC 1200 V	170 A 600 V	<b>Flat-type terminal</b>	<b>8WA1 012-1DP14</b>
----------------------------------	----------------	---------------------------	-----------------------

##### Terminal size 95 · Assembly width 46 mm AWG 1-4/0 AWG 4/0-2/0

250 A AC 1000 V, DC 1200 V	250 A 600 V	<b>Flat-type terminal</b>	<b>8WA1 012-1DQ14</b>
----------------------------------	----------------	---------------------------	-----------------------

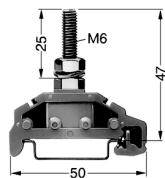
##### Terminal size 150 · Assembly width 46 mm 4/0 AWG-300 MCM max. 300 MCM

335 A AC 1000 V, DC 1200 V	365 A 600 V	<b>Flat-type terminal</b>	<b>8WA1 012-1DS14</b>
----------------------------------	----------------	---------------------------	-----------------------

##### Terminal size 240 · Assembly width 54 mm

435 A AC 1000 V, DC 1200 V		<b>Flat-type terminal</b>	<b>8WA1 012-1DU14</b>
----------------------------------	--	---------------------------	-----------------------

##### Bolt-type terminal with M6 bolt



##### Terminal size 16 · Assembly width 18 mm

82 A AC 380 V, DC 450 V	79 A 600 V	<b>Bolt-type terminal,</b> Tightening torque = 3.0 Nm	<b>8WA1 012-1DK10</b>
-------------------------------	---------------	--	-----------------------

#### Accessories

##### Accessories for flat-type terminals

Dimensions	Description	Order No.	Price	Pack
	<b>End plate</b> (laminated paper thickness 2 mm) with retaining clip	<b>8WA1 822-7TX01</b>	1 unit	Units 10
	<b>Barrier</b> (laminated paper thickness 2 mm)	<b>8WA1 822-7TX00</b>		10
	<b>Cover</b> for terminal size 70	<b>8WA1 822-7AP00</b>		10

Labelling accessories see page 15/40 - 43.

1) 25.4 mm = 1.00 inch