

Bolt-type screw terminals WF 5

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The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.

Connections from 10 mm² to 300 mm² are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.

Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section. A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.

All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

General ordering data

Type	WF 5
Order No.	1790130000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 16 mm ² , Threaded stud connection
GTIN (EAN)	4032248366637
Qty.	25 pc(s).

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Technische Daten

Dimensions and weights

Length	67 mm	Width	13 mm
Height	54.5 mm	Height of lowest version	56 mm
Net weight	20.214 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Additional technical data

Explosion-tested version	No	Open sides	Open
Type of mounting	Snap-on	Version	Single-stud terminals

CSA ratings data

Certificate No. (CSA)	200039-1244019	Voltage size C (CSA)	1000 V
Current size C (CSA)	85 A	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	10 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Clamping range, rated connection, min.	0.1 mm ²
Clamping range, rated connection, max.	16 mm ²	Tightening torque, min.	2 Nm
Tightening torque, max.	4 Nm	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross-section, finely stranded, min.	0.1 mm ²		

Rated data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	76 A
Current at maximum wires	76 A	Pollution severity	3

Stud connection

Tightening torque, min.	2 Nm	Tightening torque, max.	4 Nm
Stud size for spade connection	M 5	Cable lug to DIN 46234	0.1...16 mm ²
Cable lug to DIN 46235	6...10 mm ²	Clamping range, bolted connection , min.	0.1 mm ²
Clamping range, bolted connection , max.	16 mm ²		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	1000 V
Current size C (UR)	85 A	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	10 AWG	Conductor size Field wiring max. (UR)	4 AWG

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

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System specifications

Product family	Bolt-type screw terminals	Type of connection	Threaded stud connection
Number of levels	1	Levels cross-connected internally	No
Mounting rail	TS 35		

Classifications

ETIM 3.0	EC002020	UNSPSC	30-21-18-01
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20

Product information

Descriptive text ordering data	1000 V DC rated voltage passed with the WTW WF6 1781220000 partition plate. 1000 V UL and CSA for usage groups B and C can be used with isolating DIN rails and when using WTW WF6 1781220000 partition plates.
Descriptive text accessories	With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

Approvals

Approvals



ROHS	Conform
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Zeichnungen

