

**Bolt-type screw terminals
WF 10**

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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 10
Order No.	1780870000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection
GTIN (EAN)	4032248219353
Qty.	20 pc(s).

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Technische Daten

Dimensions and weights

Length	67 mm	Width	33.8 mm
Height	72.5 mm	Height of lowest version	74 mm
Net weight	85.3 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	Number of similar terminals	1
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)	320 A	Wire cross section max. (CSA)	250 kcmil
Wire cross section min. (CSA)	10 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Connection direction	on side
Clamping range, rated connection, min.	6 mm ²	Clamping range, rated connection, max.	120 mm ²
Tightening torque, min.	10 Nm	Tightening torque, max.	20 Nm
Wire connection cross section, solid core, max. rated connection	1.5 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, finely stranded, max.	120 mm ²	Wire connection cross-section, finely stranded, min.	6 mm ²
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section AWG, max.	AWG 2

Rated data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	269 A
Current at maximum wires	269 A	Pollution severity	3

Stud connection

Tightening torque, min.	10 Nm	Tightening torque, max.	20 Nm
Stud size for spade connection	M 10	Cable lug to DIN 46234	6...120 mm ²
Cable lug to DIN 46235	10...95 mm ²	Clamping range, bolted connection , min.	6 mm ²
Clamping range, bolted connection , max.	120 mm ²	Voltage with epoxy resin partition plate	2,300 V
Impulse voltage with epoxy resin partition plate	12 kV		

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UL ratings data

Certificate No. (cURus)	E60693	Certificate No. (UR)	E60693
Voltage size C (UR)	1000 V	Current size C (UR)	255 A
Conductor size Factory wiring max. (UR)	250 kcmil	Conductor size Factory wiring min. (UR)	10 AWG
Conductor size Field wiring max. (UR)	250 kcmil		

Material data

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

System specifications

Product family	Bolt-type screw terminals	Type of connection	Threaded stud connection
Connection direction	on side	Number of levels	1
No. of clamping points per level	1	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	No

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 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.
Descriptive text technical data	The WQL 2 for WF 6 on the WF 10 is available under Order no. 1806620000.
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

Datenblatt

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Zeichnungen

