

**Bolt-type screw terminals
WF 8**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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 8
Order No.	1780860000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 50 mm ² , Threaded stud connection
GTIN (EAN)	4032248219346
Qty.	25 pc(s).

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Technische Daten

Dimensions and weights

Length	67 mm	Width	22.8 mm
Height	63.5 mm	Height of lowest version	65 mm
Net weight	46.174 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)	200 A	Wire cross section max. (CSA)	0 AWG
Wire cross section min. (CSA)	14 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Connection direction	top
Clamping range, rated connection, min.	2.5 mm ²	Clamping range, rated connection, max.	50 mm ²
Tightening torque, min.	6 Nm	Tightening torque, max.	12 Nm
Wire connection cross section, finely stranded, max.	50 mm ²	Wire connection cross-section, finely stranded, min.	2.5 mm ²

Rated data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	150 A
Current at maximum wires	150 A	Pollution severity	3

Stud connection

Tightening torque, min.	6 Nm	Tightening torque, max.	12 Nm
Stud size for spade connection	M 8	Cable lug to DIN 46234	2.5...50 mm ²
Cable lug to DIN 46235	6...35 mm ²	Clamping range, bolted connection , min.	2.5 mm ²
Clamping range, bolted connection , max.	50 mm ²	Voltage with epoxy resin partition plate	2,300 V
Impulse voltage with epoxy resin partition plate	12 kV		

UL ratings data

Certificate No. (cURus)	E60693	Certificate No. (UR)	E60693
Voltage size C (UR)	1000 V	Current size C (UR)	150 A
Conductor size Factory wiring max. (UR)	0 AWG	Conductor size Factory wiring min. (UR)	14 AWG
Conductor size Field wiring max. (UR)	0 AWG		

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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	top	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 8 is available under Order no. 1808980000.
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

