

Bolt-type screw terminals WF 8

Weidmüller Interface GmbH & Co. KG
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Klippon® Connect with stud Technology

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

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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Technical data**Dimensions and weights**

Width	22.8 mm	Width (inches)	0.898 inch
Height	67 mm	Height (inches)	2.638 inch
Depth	63.5 mm	Depth (inches)	2.5 inch
Net weight	46.174 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

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

System specifications

Version	Single-stud terminals	Tightening torque (clamping screw for copper conductors)	6...12 Nm
End cover plate required	No	Number of levels	1
No. of clamping points per level	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	Open	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1244019	Current size C (CSA)	200 A
Voltage size C (CSA)	1000 V	Wire cross section max. (CSA)	0 AWG
Wire cross section min. (CSA)	14 AWG		

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	2.5...50 mm ²	2 x cable lugs DIN 46 235	6...35 mm ²
Cable lug to DIN 46234	2.5...50 mm ²	Cable lug to DIN 46235	6...35 mm ²
Clamping range, rated connection, max.	50 mm ²	Clamping range, rated connection, min.	2.5 mm ²
Number of connections	1	Stud size for spade connection	M 8
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Threaded stud connection		

Rating data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Voltage with epoxy resin partition plate	2,300 V	Rated current	150 A
Current at maximum wires	150 A	Volume resistance according to IEC 60947-7-x	0.21 mΩ
Rated impulse withstand voltage	8 kV	Impulse voltage with epoxy resin partition plate	12 kV
Pollution severity	3		

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UL rating data

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

Classifications

ETIM 3.0	EC002020	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	eClass 8.1	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

Product information

Descriptive text ordering data	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 is 2300 V according to DIN EN 50124-1

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PT1004_20160418_852_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD

Safety note

Safety notice [Safety Information](#)

Data sheet

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Drawings

