

WF 8**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm² to 300 mm². The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

General ordering data

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

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Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Single-stud terminals	End cover plate required	No
Number of levels	1	Number of clamping points per level	1
Levels cross-connected internally	No	PE connection	No
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 to 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, max.	50 mm ²	Clamping range, 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		

General

Rail	TS 35
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Rating data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	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	Power loss in accordance with IEC 60947-7-x	4.8 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	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 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
Certificate No. (UR)	E60693

Downloads

Approval/Certificate/Document of Conformity	CB Test Certificate CB Certificate EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

