

Data sheet

Bolt-type screw terminals WFF 300

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 www.weidmueller.com

Product image



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	WFF 300
Order No.	1028700000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 300 mm ² , Threaded stud connection
GTIN (EAN)	4008190165017
Qty.	4 pc(s).

Creation date 22 April 2020 16:32:41 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Width	55 mm	Width (inches)	2.165 inch
Height	163 mm	Height (inches)	6.417 inch
Depth	85.5 mm	Depth (inches)	3.366 inch
Depth including DIN rail	94 mm	Weight	552.15 g
Net weight	540.205 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1684U	Certificate No. (IECEX)	IECEXKEM07.0053U
Max. voltage (ATEX)	1100 V	Current (ATEX)	452 A
Wire cross section max. (ATEX)	300 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	452 A	Wire cross section max. (IECEX)	300 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

End cover plate required	No	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1244019	Current size C (CSA)	510 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	600 kcmil
Wire cross section min. (CSA)	6 AWG		

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Technical data

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	25 to 240 mm ²	2 x cable lugs DIN 46 235	50...240 mm ²
Cable lug to DIN 46234	25...240 mm ²	Cable lug to DIN 46235	50...300 mm ²
Clamping range, max.	300 mm ²	Clamping range, min.	25 mm ²
Number of connections	2	Stud size for spade connection	M 16
Tightening torque, max.	60 Nm	Tightening torque, min.	25 Nm
Type of connection	Threaded stud connection		

Rating data

Rated cross-section	300 mm ²	Rated voltage	1,000
Rated current	520 A	Current at maximum wires	520 A
Volume resistance according to IEC 60947-7-x	0.06 mΩ	Power loss in accordance with IEC 60947-7-x	16.64 W
Rated impulse withstand voltage	8 kV	Pollution severity	3

Stud connection

2 x cable lugs DIN 46 234	25 to 240 mm ²	2 x cable lugs DIN 46 235	50...240 mm ²
Cable lug to DIN 46234	25...240 mm ²	Cable lug to DIN 46235	50...300 mm ²
Stud size for spade connection	M 16	Tightening torque, max.	60 Nm
Tightening torque, min.	25 Nm		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	600 kcmil
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	600 kcmil
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	500 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS

Conform

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Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate IECEX Certificate IECEX Certificate IECEX Certificate ATEX Certificate CB Certificate DE_PT1004_20160418_869_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM. 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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