

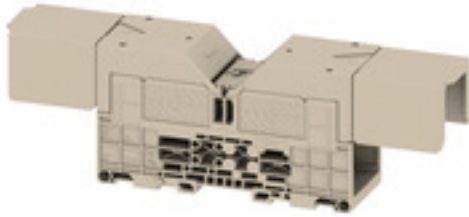
WFF 300/AH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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: 300 mm ² , Threaded stud connection
Order No.	1029700000
Type	WFF 300/AH
GTIN (EAN)	4008190088347
Qty.	2 pc(s).

Creation date September 15, 2022 9:52:15 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	85.5 mm	Depth (inches)	3.366 inch
Depth including DIN rail	94 mm	Height	163 mm
Height (inches)	6.417 inch	Width	55 mm
Width (inches)	2.165 inch	Net weight	592.51 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-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		

Rating data IECEx/ATEX

Certificate No. (IECEX)	IECEXKEM07.0053U	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 2014/34/EU label	II 2 G D		Ex eb II C Gb

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		

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		

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Technical data

General

Rail TS 35

Rating data

Rated cross-section	300 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,500 V DC	Rated current	520 A
Current at maximum wires	520 A	Volume resistance according to IEC 60947-7-x	0.06 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	16.64 W
Pollution severity	3		

UL rating data

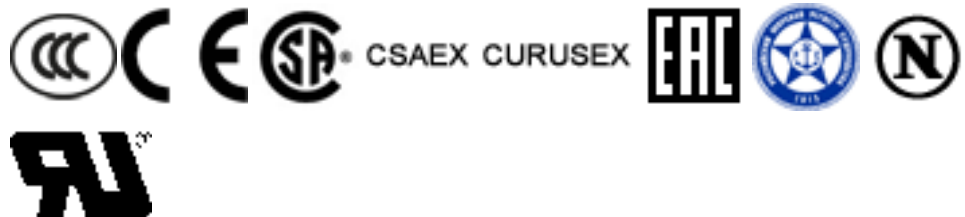
Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	600 kcmil
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	600 kcmil
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	500 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
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
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity CB Certificate EAC certificate MARITREG Certificate CCC Ex Certificate ATEX Certificate IECEX Certificate UKCA Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks WFF range for 1500 VDC applications DIRECT MOUNTING WFF TERMINAL BLOCKS NTI WFF 300
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

