

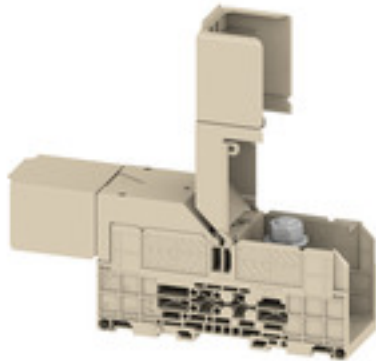
WFF 185/AH**Weidmüller Interface GmbH & Co. KG**

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: 185 mm ² , Threaded stud connection
Order No.	1029600000
Type	WFF 185/AH
GTIN (EAN)	4008190106188
Qty.	2 pc(s).

Creation date February 5, 2024 11:03:05 AM CET

Catalogue status 27.01.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	89.5 mm	Depth (inches)	3.524 inch
Depth including DIN rail	87 mm	Height	287 mm
Height (inches)	11.299 inch	Width	55 mm
Width (inches)	2.165 inch	Net weight	466.43 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

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)	360 A
Current size D (CSA)	5 A	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	500 kcmil
Wire cross section min. (CSA)	8 AWG		

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	10...185 mm ²	2 x cable lugs DIN 46 235	25...185 mm ²
Cable lug to DIN 46234	10...240 mm ²	Cable lug to DIN 46235	25...240 mm ²
Clamping range, max.	240 mm ²	Clamping range, min.	10 mm ²
Number of connections	2	Stud size for spade connection	M 12
Tightening torque, max.	31 Nm	Tightening torque, min.	14 Nm
Type of connection	Threaded stud connection		

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Technical data

General

Rail TS 35

Rating data

Rated cross-section	185 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,500 V	Rated current	353 A
Current at maximum wires	415 A	Volume resistance according to IEC 60947-7-x	0.09 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	11.3 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	500 AWG
Conductor size Factory wiring min. (UR)	8 AWG	Conductor size Field wiring max. (UR)	500 AWG
Conductor size Field wiring min. (UR)	8 AWG	Current size C (UR)	380 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27250101

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 CB Certificate DNVGL certificate CCC Ex Certificate ATEX Certificate IECEx Certificate UKCA Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
Product Change Notification	PCN WFF
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks WFF range for 1500 VDC applications DIRECT MOUNTING WFF TERMINAL BLOCKS NTI WFF 185
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

