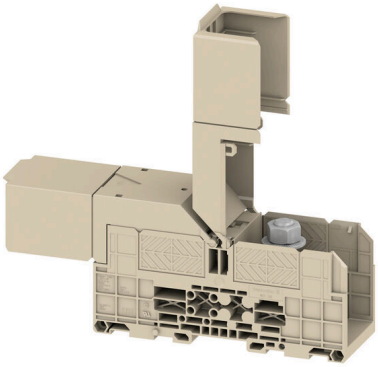
Data sheet

WFF 185/AH

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm², Threaded stud connection
Order No.	1029600000
Type	WFF 185/AH
GTIN (EAN)	4008190106188
Qty.	2 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	89.5 mm	Depth (inches)	3.5236 inch
Depth including DIN rail	98 mm	Height	287 mm
Height (inches)	11.2992 inch	Width	55 mm
Width (inches)	2.1654 inch	Net weight	466.43 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

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 potentials	1
Number of levels	1	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	500 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	360 A	Certificate No. (CSA)	200039-1244019

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Technical data

Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	8 AWG		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...240 mm²	Cable lug to DIN 46235	25...240 mm²
Wire connection cross section AWG, max.	kcmil 500	Connection direction	on side
Tightening torque, max.	31 Nm	Tightening torque, min.	14 Nm
Type of connection	Threaded stud connection	Number of connections	2
Clamping range, max.	240 mm²	Clamping range, min.	10 mm²
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²	Wire connection cross section, finely stranded, max.	240 mm²
Wire connection cross section, finely stranded, min.	10 mm²	Connection cross-section, stranded, max.	240 mm²
Connection cross-section, stranded, min.	10 mm²	Stud size for spade connection	M 12
Wire connection cross-section, solid core, max.	240 mm²	Wire connection cross-section, solid core, min.	10 mm²
Connection cross-section, finely stranded, min.	10 mm²	2 x cable lugs DIN 46 235	25...185 mm²
2 x cable lugs DIN 46 234	10...185 mm²		

General

Wire connection cross section AWG, max.	kcmil 500	Wire connection cross section AWG, min.	AWG 6
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	185 mm²	Rated voltage	1000 V
Rated DC voltage	1500 V	Nominal current	353 A
Current at maximum wires	415 A	Standards	IEC 60947-7-1
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	11.30 W	Pollution severity	3

UL rating data

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

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings