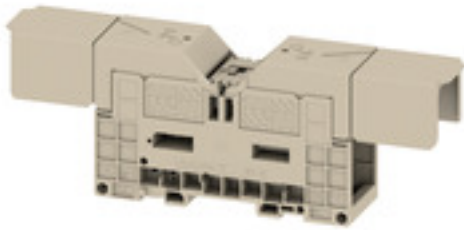


## Data sheet

### Bolt-type screw terminals WFF 185/AH

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

### Product image



Similar to illustration

#### 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 185/AH
Order No.	<a href="#">1029600000</a>
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm <sup>2</sup> , Threaded stud connection
GTIN (EAN)	4008190106188
Qty.	2 pc(s).

Creation date 22 April 2020 16:34:54 CEST

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

## Data sheet

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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	89.5 mm	Depth (inches)	3.524 inch
Depth including DIN rail	87 mm	Weight	455 g
Net weight	466.43 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)	307 A
Wire cross section max. (ATEX)	185 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	307 A	Wire cross section max. (IECEX)	185 mm <sup>2</sup>
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		

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## Technical data

### Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	10...185 mm <sup>2</sup>	2 x cable lugs DIN 46 235	25...185 mm <sup>2</sup>
Cable lug to DIN 46234	10...240 mm <sup>2</sup>	Cable lug to DIN 46235	25...240 mm <sup>2</sup>
Clamping range, max.	240 mm <sup>2</sup>	Clamping range, min.	10 mm <sup>2</sup>
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		

### Rating data

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

### Stud connection

2 x cable lugs DIN 46 234	10...185 mm <sup>2</sup>	2 x cable lugs DIN 46 235	25...185 mm <sup>2</sup>
Cable lug to DIN 46234	10...240 mm <sup>2</sup>	Cable lug to DIN 46235	25...240 mm <sup>2</sup>
Stud size for spade connection	M 12	Tightening torque, max.	31 Nm
Tightening torque, min.	14 Nm		

### 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
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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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Certificate</a> <a href="#">DE_PT1004_20160418_868_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM. 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>

### Safety note

Safety notice	<a href="#">Safety Information</a>
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