

Bolt-type screw terminals WFF 185/AH

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 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.	102960000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm ² , Threaded stud connection
GTIN (EAN)	4008190106188
Qty.	2 pc(s).

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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	469.84 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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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 ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	307 A	Wire cross section max. (IECEX)	185 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

System specifications

Tightening torque (clamping screw for copper conductors)	14...31 Nm	End cover plate required	No
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting 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		

Creation date December 13, 2018 9:55:49 AM CET

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Technical data
Rating data

Rated cross-section	185 mm ²	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	Rated impulse withstand voltage	8 kV
Pollution severity	3		

Stud 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
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 3.0	EC002020	ETIM 4.0	EC002020
ETIM 5.0	EC002020	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	eClass 8.1	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

Product information

Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.
Instructions for accessories	WAH 185/300 in blue, Order no. 1064780000

Approvals

Approvals



ROHS

Conform