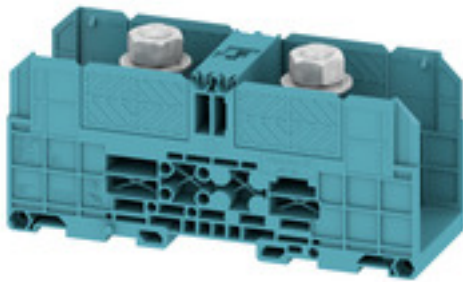


WFF 185 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****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

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm ² , Threaded stud connection
Order No.	1028680000
Type	WFF 185 BL
GTIN (EAN)	4008190061005
Qty.	4 pc(s).

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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	163 mm
Height (inches)	6.417 inch	Net weight	409.39 g
Weight	406.41 g	Width	55 mm
Width (inches)	2.165 inch		

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	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1684U	ATEX certificate	KEMA98ATEX1684U_e.pdf
ATEX certificate	IECEXKEM07.0053U	Certificate No. (IECEX)	IECEXKEM07.0053U
IEC Ex certificate	IECEXKEM07.0053U_e.pdf	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)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	185 mm ²		
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 ²
Cable lug to DIN 46234	10...240 mm ²
Clamping range, max.	240 mm ²
Number of connections	2
Tightening torque, max.	31 Nm
Type of connection	Threaded stud connection

2 x cable lugs DIN 46 235	25...185 mm ²
Cable lug to DIN 46235	25...240 mm ²
Clamping range, min.	10 mm ²
Stud size for spade connection	M 12
Tightening torque, min.	14 Nm

General

Rail	TS 35
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Rating data

Power loss in accordance with IEC 60947-7-x	11.3 W	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

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
UL_current_Print	380 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	500 AWG	UL_wire_min_Print	8 AWG
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	ECLASS 11.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

WFF 185 BL

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[Attestation of Conformity](#)
[IECEX Certificate](#)
[ATEX Certificate](#)
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[DNVGL certificate](#)
[MARITREG Certificate](#)
[POLSKIREJ certificate](#)
[CCC Ex Certificate](#)
[Declaration of Conformity](#)
[Declaration of Conformity](#)

Engineering 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](#)