

## W-series terminal with clamping yoke connection WFF 185 BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.

Connections from 10 mm<sup>2</sup> to 300 mm<sup>2</sup> are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.

Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section. A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.

All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

### General ordering data

Type	WFF 185 BL
Order No.	<a href="#">1028680000</a>
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 185 mm <sup>2</sup> , Threaded stud connection
GTIN (EAN)	4008190061005
Qty.	4 pc(s).

**W-series terminal with clamping yoke connection  
WFF 185 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Dimensions and weights**

Width	55 55	Height	163 mm
Height of lowest version	87 mm	Depth	77.5 mm
Weight	406.41 g	Net weight	409.39 g

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
----------------------------------	--------	----------------------------------	--------

**Rated data IECEx/ATEX**

Certificate No. (ATEX)	KEMA98ATEX1684U	ATEX certificate	IECEXKEM07.0053U
ATEX certificate	KEMA98ATEX1684U_e.pdf	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 <sup>2</sup>
Max. voltage (IECEX)	1100 V	Current (IECEX)	307 A
Wire cross section max. (IECEX)	185 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

**Additional technical data**

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

**CSA ratings data**

Certificate No. (CSA)	200039-1244019	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Current size C (CSA)	360 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	500 kcmil
Wire cross section min. (CSA)	8 AWG		

**Clampable wires (rated connection)**

Type of connection	Threaded stud connection	Number of connections	2
Clamping range, rated connection, min.	10 mm <sup>2</sup>	Clamping range, rated connection, max.	240 mm <sup>2</sup>
Tightening torque, min.	14 Nm	Tightening torque, max.	31 Nm
Wire connection cross section, finely stranded, max.	240 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	10 mm <sup>2</sup>

**Rated data**

Rated cross-section	185 mm <sup>2</sup>	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	353 A
Current at maximum wires	415 A	Pollution severity	3

**Data sheet**

**W-series terminal with clamping yoke connection  
WFF 185 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**

**Stud connection**

Tightening torque, min.	14 Nm	Tightening torque, max.	31 Nm
Stud size for spade connection	M 12	Cable lug to DIN 46234	10...240 mm <sup>2</sup>
Cable lug to DIN 46235	25...240 mm <sup>2</sup>	Clamping range, bolted connection , min.	10 mm <sup>2</sup>
Clamping range, bolted connection , max.	240 mm <sup>2</sup>		

**UL ratings data**

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

**Material data**

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

**System specifications**

Product family	W-series terminal with clamping yoke connection	Type of connection	Threaded stud connection
Number of levels	1	Number of connections	2
No. of clamping points per level	2	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	No

**Classifications**

ETIM 3.0	EC002020	UNSPSC	30-21-18-01
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20

**Product information**

Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text accessories	WAH 185/300 in blue, Order no. 1064780000

**Approvals**

Approvals



ROHS	Conform
------	---------

**Data sheet**

**W-series terminal with clamping yoke connection  
WFF 185 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**

**Downloads**

---

STEP	<a href="#">1028680000_17244_WFF_185_BL_STP.stp</a>
------	-----------------------------------------------------

---