Data sheet

WFF 70 BL

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

www.weidmueller.com

The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm² to 300 mm². The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 70 mm², Threaded stud connection, Direct mounting
Order No.	1028480000
Type	WFF 70 BL
GTIN (EAN)	4008190073329
Qty.	10 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	61 mm	Depth (inches)	2.4016 inch
Depth including DIN rail	69.5 mm	Height	132 mm
Height (inches)	5.1968 inch	Width	31.8 mm
Width (inches)	1.252 inch	Net weight	159.2 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	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (IECEX)	IECEXULD15.0004U	Max. voltage (IECEX)	1100 V
Current (IECEX)	192 A	Wire cross section max. (IECEX)	70 mm²
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
Installation advice	Direct mounting	Explosion-tested version	Yes
Type of mounting	Snap-on		

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CSA rating data

Wire cross section max. (CSA)	00 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	170 A	Certificate No. (CSA)	200039-1244019
Wire cross section min. (CSA)	14 AWG		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	2.5...95 mm²	Cable lug to DIN 46235	16...70 mm²
Wire connection cross section AWG, max.	AWG 3/0	Connection direction	on side
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Threaded stud connection	Number of connections	2
Clamping range, max.	95 mm²	Clamping range, min.	2.5 mm²
Wire connection cross section AWG, min.	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²	Wire connection cross section, finely stranded, max.	95 mm²
Wire connection cross section, finely stranded, min.	2.5 mm²	Connection cross-section, stranded, max.	95 mm²
Connection cross-section, stranded, min.	2.5 mm²	Stud size for spade connection	M 8
Wire connection cross-section, solid core, max.	95 mm²	Wire connection cross-section, solid core, min.	2.5 mm²
Connection cross-section, finely stranded, min.	2.5 mm²	2 x cable lugs DIN 46 235	16...70 mm²
2 x cable lugs DIN 46 234	2.5...70 mm²		

General

Number of poles	0	Wire connection cross section AWG, max.	AWG 3/0
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 14
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	70 mm²	Rated voltage	1000 V
Rated DC voltage	1500 V	Nominal current	192 A
Current at maximum wires	232 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.17 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	6.14 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	00 AWG	Current size C (UR)	175 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	14 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	14 AWG
Conductor size Field wiring max. (UR)	00 AWG		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897

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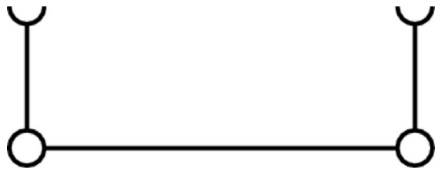
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ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings



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