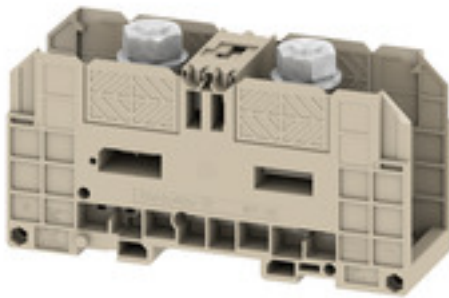


**Bolt-type screw terminals
WFF 120**

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**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 120
Order No.	1028500000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection, Direct mounting
GTIN (EAN)	4008190004866
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	42 mm	Width (inches)	1.654 inch
Height	132 mm	Height (inches)	5.197 inch
Depth	72 mm	Depth (inches)	2.835 inch
Depth including DIN rail	80.5 mm	Weight	281.6 g
Net weight	246.662 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °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)	234 A
Wire cross section max. (ATEX)	120 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	234 A	Wire cross section max. (IECEX)	120 mm ²
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	Installation advice	Direct mounting
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)	310 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	250 kcmil
Wire cross section min. (CSA)	10 AWG		

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Technical data**Conductors for clamping (rated connection)**

2 x cable lugs DIN 46 234	6 to 120 mm ²
Cable lug to DIN 46234	6...150 mm ²
Clamping range, max.	150 mm ²
Number of connections	2
Tightening torque, max.	20 Nm
Type of connection	Threaded stud connection

2 x cable lugs DIN 46 235	16...120 mm ²
Cable lug to DIN 46235	16...150 mm ²
Clamping range, min.	6 mm ²
Stud size for spade connection	M 10
Tightening torque, min.	10 Nm

Rating data

Rated cross-section	120 mm ²
Rated current	269 A
Volume resistance according to IEC 60947-7-x	0.12 mΩ
Rated impulse withstand voltage	8 kV

Rated voltage	1,000 V
Current at maximum wires	309 A
Power loss in accordance with IEC 60947-7-x	8.61 W
Pollution severity	3

Stud connection

2 x cable lugs DIN 46 234	6 to 120 mm ²
Cable lug to DIN 46234	6...150 mm ²
Stud size for spade connection	M 10
Tightening torque, min.	10 Nm

2 x cable lugs DIN 46 235	16...120 mm ²
Cable lug to DIN 46235	16...150 mm ²
Tightening torque, max.	20 Nm

UL rating data

Certificate No. (UR)	E60693
Conductor size Factory wiring min. (UR)	10 AWG
Conductor size Field wiring min. (UR)	10 AWG
Voltage size C (UR)	1000 V

Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Field wiring max. (UR)	250 kcmil
Current size C (UR)	310 A

Classifications

ETIM 6.0	EC000897
eClass 9.0	27-14-11-20
eClass 10.0	27-14-11-20

ETIM 7.0	EC000897
eClass 9.1	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	Attestation of Conformity
	IECEX Certificate
	ATEX Certificate
	CB Certificate
	EAC certificate
	DNVGL certificate
	MARITREG Certificate
	POLSKIREJ certificate
	DE_PT1004_20160418_858_ISSUE01.pdf
	Declaration of Conformity Terminals
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide
	StorageConditionsTerminalBlocks
	WFF range for 1500 VDC applications
	DIRECT MOUNTING WFF TERMINAL BLOCKS

Safety note

Safety notice	Safety Information
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