

**Bolt-type screw terminals  
WFF 120/AH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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**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/AH
Order No.	<a href="#">1029500000</a>
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm <sup>2</sup> , Threaded stud connection
GTIN (EAN)	4008190086664
Qty.	4 pc(s).

Creation date September 7, 2020 10:50:12 AM CEST

Catalogue status 05.09.2020 / We reserve the right to make technical changes.

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

Width	42 mm	Width (inches)	1.654 inch
Height	229.5 mm	Height (inches)	9.035 inch
Depth	88.5 mm	Depth (inches)	3.484 inch
Depth including DIN rail	88.5 mm	Weight	302.5 g
Net weight	278.45 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 <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	234 A	Wire cross section max. (IECEX)	120 mm <sup>2</sup>
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	Yes	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)	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 <sup>2</sup>	2 x cable lugs DIN 46 235	16... 120 mm <sup>2</sup>
Cable lug to DIN 46234	6...150 mm <sup>2</sup>	Cable lug to DIN 46235	16...150 mm <sup>2</sup>
Clamping range, max.	150 mm <sup>2</sup>	Clamping range, min.	6 mm <sup>2</sup>
Number of connections	2	Stud size for spade connection	M 10
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Type of connection	Threaded stud connection		

**Dimensions**

TS 15 offset	13.5 mm
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**Rating data**

Rated cross-section	120 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	269 A	Current at maximum wires	309 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.12 mΩ
Power loss in accordance with IEC 60947-7-x	8.61 W	Rated impulse withstand voltage	6 kV
Pollution severity	3		

**Stud connection**

2 x cable lugs DIN 46 234	6 to 120 mm <sup>2</sup>	2 x cable lugs DIN 46 235	16... 120 mm <sup>2</sup>
Cable lug to DIN 46234	6...150 mm <sup>2</sup>	Cable lug to DIN 46235	16...150 mm <sup>2</sup>
Stud size for spade connection	M 10	Tightening torque, max.	20 Nm
Tightening torque, min.	10 Nm		

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Factory wiring min. (UR)	10 AWG	Conductor size Field wiring max. (UR)	250 kcmil
Conductor size Field wiring min. (UR)	10 AWG	Current size C (UR)	310 A
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	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS

Conform

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3

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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">DE_PT1004_20160418_862_ISSUE01.pdf</a> <a href="#">Declaration of Conformity Terminals</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">WFF range for 1500 VDC applications</a> <a href="#">DIRECT MOUNTING WFF TERMINAL BLOCKS</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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