

**Bolt-type screw terminals  
WFF 120**

**Weidmüller Interface GmbH & Co. KG**  
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**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.	<a href="#">102850000</a>
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm <sup>2</sup> , 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	245.13 g		

**Temperatures**

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

Material	Wemid	Colour	Dark Beige
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)	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>	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	
Ex 2014/34/EU label	II 2 G D		Ex e II

**System specifications**

End cover plate required	No	Number of levels	1
No. of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Mounting 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		

**Conductors for clamping (rated connection)**

2 x cable lugs DIN 46 234	6...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, rated connection, max.	150 mm <sup>2</sup>	Clamping range, rated connection, 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		

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**Technical data**
**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
Volume resistance according to IEC 60947-7-x	0.12 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

**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 3.0	EC002020	ETIM 4.0	EC002020
ETIM 5.0	EC002020	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	eClass 8.1	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

**Product information**

Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.
Descriptive text accessories	WAH 120 in blue, order No. 1064680000

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_WFF_120.pdf</a> <a href="#">DE_PT1004_20160418_858_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN_WSCAD_Zuken E3.S</a>

**Safety note**

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