

WFF 120/AH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection
Order No.	1029500000
Type	WFF 120/AH
GTIN (EAN)	4008190086664
Qty.	4 pc(s).

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Technical data

Dimensions and weights

Depth	88.5 mm	Depth (inches)	3.484 °C
Depth including DIN rail	88.5 mm	Height	229.5 mm
Height (inches)	9.035 °C	Width	42 mm
Width (inches)	1.654 °C	Weight	302.5 g
Net weight	278.45 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-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)	IECEXULD15.0004U
Max. voltage (ATEX)	1100 V	Current (ATEX)	234 A
Wire cross section max. (ATEX)	120 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	269 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	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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Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	6 to 120 mm ²	2 x cable lugs DIN 46 235	16... 120 mm ²
Cable lug to DIN 46234	6... 150 mm ²	Cable lug to DIN 46235	16... 150 mm ²
Clamping range, max.	150 Nm	Clamping range, min.	6 Nm
Number of connections	2	Stud size for spade connection	M 10
Tightening torque, max.	20 inch	Tightening torque, min.	10 inch
Type of connection	Threaded stud connection		

Dimensions

TS 15 offset	13.5 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
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Rating data

Rated cross-section	120 Nm	Rated voltage	1,000 V
Rated DC voltage	1,000 mm ²	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 °C	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	8.61 W	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
UL_current_Print	310 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	250 MBit/s	UL_wire_min_Print	10 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity Attestation of Conformity CB Certificate EAC certificate DNVGL certificate MARITREG Certificate CCC Ex Certificate ATEX Certificate IECEx Certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks WFF range for 1500 VDC applications DIRECT MOUNTING WFF TERMINAL BLOCKS NTI WFF 120
Catalogues	Catalogues in PDF-format
Brochures	