

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

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: 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 inch
Depth including DIN rail	88.5 mm	Height	229.5 mm
Height (inches)	9.035 inch	Width	42 mm
Width (inches)	1.654 inch	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. (IECEX)	IECEXULD15.0004U	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 2014/34/EU label	II 2 G D		Ex eb II C Gb

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		

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 mm ²	Clamping range, min.	6 mm ²
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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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 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,500 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	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
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

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www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity
	UKCA Ex Attestation of Conformity
	CB Certificate
	DNVGL certificate
	CCC Ex Certificate
	ATEX Certificate
	IECEX Certificate
	UKCA Ex Certificate
	CE Declaration of Conformity
Engineering Data	UKCA declaration of conformity
	Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
Product Change Notification	PCN WFF
User Documentation	StorageConditionsTerminalBlocks
	WFF range for 1500 VDC applications
	DIRECT MOUNTING WFF TERMINAL BLOCKS
	NTI WFF 120
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

