

Bolt-type screw terminals WFF 120/AH

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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.	102950000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection
GTIN (EAN)	4008190086664
Qty.	4 pc(s).

Bolt-type screw terminals
WFF 120/AH

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

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	251.75 g		

Temperatures

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 e II
Ex 2014/34/EU label	II 2 G D		

System specifications

Tightening torque (clamping screw for copper conductors)	10...20 Nm	End cover plate required	Yes
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	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 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		

Bolt-type screw terminals
WFF 120/AH

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions**

TS 15 offset	13.5 mm
--------------	---------

Rating data

Rated cross-section	120 mm ²	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
Rated impulse withstand voltage	6 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	CFAT_WFF 120.pdf DE_PT1004_20160418_862_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S

Data sheet

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Safety note

Safety notice

[Safety Information](#)