

Bolt-type screw terminals WFF 70/AH

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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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 70/AH
Order No.	1029400000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 70 mm ² , Threaded stud connection, Direct mounting
GTIN (EAN)	4008190149208
Qty.	5 pc(s).

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Technical data
Dimensions and weights

Width	31.8 mm	Width (inches)	1.252 inch
Height	132 mm	Height (inches)	5.197 inch
Depth	61 mm	Depth (inches)	2.402 inch
Depth including DIN rail	69.5 mm	Weight	182 g
Net weight	174.53 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	Certificate No. (IECEX)	IECEXKEM07.0053U
Max. voltage (ATEX)	1100 V	Current (ATEX)	167 A
Wire cross section max. (ATEX)	70 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	167 A	Wire cross section max. (IECEX)	70 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)	6...12 Nm	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)	170 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	14 AWG		

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	2.5...70 mm ²	2 x cable lugs DIN 46 235	16...70 mm ²
Cable lug to DIN 46234	2.5...95 mm ²	Cable lug to DIN 46235	16...70 mm ²
Clamping range, max.	95 mm ²	Clamping range, min.	2.5 mm ²
Number of connections	2	Stud size for spade connection	M 8
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Threaded stud connection		

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Technical data
Rating data

Rated cross-section	70 mm ²	Rated voltage	1,000 V
Rated current	192 A	Current at maximum wires	232 A
Volume resistance according to IEC 60947-7-x	0.17 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

Stud connection

2 x cable lugs DIN 46 234	2.5...70 mm ²	2 x cable lugs DIN 46 235	16...70 mm ²
Cable lug to DIN 46234	2.5...95 mm ²	Cable lug to DIN 46235	16...70 mm ²
Stud size for spade connection	M 8	Tightening torque, max.	12 Nm
Tightening torque, min.	6 Nm		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	00 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size C (UR)	175 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 V DC rated voltage tested. 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 technical data	When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm ² , the rated voltage is reduced to 800 V.
Instructions for accessories	WAH 70 in blue. Order no. 1064580000

Approvals

Approvals



ROHS

Conform

Data sheet**Bolt-type screw terminals
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	CFAT_WFF_70.pdf IECEX Certificate IECEX Certificate IECEX Certificate IECEX Certificate ATEX Certificate DE_PT1004_20160418_880_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S
Engineering Data	STEP

Safety note

Safety notice	Safety Information
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