

WFF 70/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: 70 mm ² , Threaded stud connection, Direct mounting
Order No.	1029400000
Type	WFF 70/AH
GTIN (EAN)	4008190149208
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	61 mm	Depth (inches)	2.402 inch
Depth including DIN rail	69.5 mm	Height	132 mm
Height (inches)	5.197 inch	Net weight	174.53 g
Weight	182 g	Width	31.8 mm
Width (inches)	1.252 inch		

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	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)	167 A	Wire cross section max. (ATEX)	70 mm ²
Max. voltage (IECEX)	1100 V	Current (IECEX)	167 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	70 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

End cover plate required	No	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	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		

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Technical data

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		

General

Installation advice	Direct mounting	Rail	TS 35
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Rating data

Power loss in accordance with IEC 60947-7-x	6.14 W	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

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
UL_current_Print	175 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	0 AWG	UL_wire_min_Print	14 AWG
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[Attestation of Conformity](#)
[IECEX Certificate](#)
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[MARITREG Certificate](#)
[CCC Ex Certificate](#)
[Declaration of Conformity](#)
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Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[Cross Connection Guide](#)
[StorageConditionsTerminalBlocks](#)
[WFF range for 1500 VDC applications](#)
[DIRECT MOUNTING WFF TERMINAL BLOCKS](#)