

W-series terminal with clamping yoke connection WFF 70/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



The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.

Connections from 10 mm² to 300 mm² are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.

Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section. A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.

All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

General ordering data

Type	WFF 70/AH
Order No.	1029400000
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 70 mm ² , Threaded stud connection, Direct mounting
GTIN (EAN)	4008190149208
Qty.	5 pc(s).

W-series terminal with clamping yoke connection WFF 70/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

Technische Daten

Dimensions and weights

Length	132 mm	Width	31.8 mm
Height	61 mm	Height of lowest version	69.5 mm
Weight	182 g	Net weight	174.53 g

Temperatures

Operating temperature	Storage temperature
-----------------------	---------------------

Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1684U	ATEX certificate	IECExKEM07.0053U
ATEX certificate	KEMA98ATEX1684U_e.pdf	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)	70 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

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 ratings data

Certificate No. (CSA)	200039-1244019	Voltage size C (CSA)	600 V
Current size C (CSA)	170 A	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	14 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Clamping range, rated connection, min.	2.5 mm ²
Clamping range, rated connection, max.	95 mm ²	Tightening torque, min.	6 Nm
Tightening torque, max.	12 Nm	Wire connection cross section, finely stranded, max.	95 mm ²
Wire connection cross-section, finely stranded, min.	2.5 mm ²		

Rated data

Rated cross-section	70 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	192 A
Current at maximum wires	232 A	Pollution severity	3

W-series terminal with clamping yoke connection WFF 70/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

Technische Daten

Stud connection

Tightening torque, min.	6 Nm	Tightening torque, max.	12 Nm
Stud size for spade connection	M 8	Cable lug to DIN 46234	2.5...95 mm ²
Cable lug to DIN 46235	16...70 mm ²	Clamping range, bolted connection , min.	2.5 mm ²
Clamping range, bolted connection , max.	95 mm ²		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	1000 V
Current size C (UR)	175 A	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	00 AWG

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Product family	W-series terminal with clamping yoke connection	Type of connection	Threaded stud connection
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	End cover plate required	No

Classifications

ETIM 3.0	EC002020	UNSPSC	30-21-18-01
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20

Product information

Descriptive text ordering data	1000 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN 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.
Descriptive text accessories	WAH 70 in blue. Order no. 1064580000

Approvals

Approvals



ROHS Conform