

**Bolt-type screw terminals  
WFF 70/AH**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**

Type	WFF 70/AH
Order No.	<a href="#">1029400000</a>
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 70 mm <sup>2</sup> , Threaded stud connection, Direct mounting
GTIN (EAN)	4008190149208
Qty.	5 pc(s).

Creation date May 1, 2020 8:13:43 AM CEST

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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**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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	Certificate No. (IECEX)	IECEXKEM07.0053U
Max. voltage (ATEX)	1100 V	Current (ATEX)	167 A
Wire cross section max. (ATEX)	70 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	167 A	Wire cross section max. (IECEX)	70 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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 <sup>2</sup>	2 x cable lugs DIN 46 235	16...70 mm <sup>2</sup>
Cable lug to DIN 46234	2.5...95 mm <sup>2</sup>	Cable lug to DIN 46235	16...70 mm <sup>2</sup>
Clamping range, max.	95 mm <sup>2</sup>	Clamping range, min.	2.5 mm <sup>2</sup>
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		

**Rating data**

Rated cross-section	70 mm <sup>2</sup>	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	Power loss in accordance with IEC 60947-7-x	6.14 W
Rated impulse withstand voltage	8 kV	Pollution severity	3

**Stud connection**

2 x cable lugs DIN 46 234	2.5...70 mm <sup>2</sup>	2 x cable lugs DIN 46 235	16...70 mm <sup>2</sup>
Cable lug to DIN 46234	2.5...95 mm <sup>2</sup>	Cable lug to DIN 46235	16...70 mm <sup>2</sup>
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 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	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS

Conform

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

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Certificate</a> <a href="#">DE_PT1004_20160418_880_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM. 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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**Accessories**

**Partition plates**



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**General ordering data**

Type	WTW WFF70	Version
Order No.	<a href="#">1067200000</a>	Bolt-type screw terminals, Separation plate, grey, 2 mm
GTIN (EAN)	4008190186210	
Qty.	10 pc(s).	

**Blank**



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	WS 12/6.5 MC NE WS	Version
Order No.	<a href="#">1609920000</a>	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 pc(s).	

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## Accessories

### Cover hoods



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### General ordering data

Type	WAH 70 HG	Version
Order No.	<a href="#">1064550000</a>	Bolt-type screw terminals, Hood, Light green, 31 mm
GTIN (EAN)	4008190176976	
Qty.	20 pc(s).	
Type	WAH 70 BE	Version
Order No.	<a href="#">1064560000</a>	Bolt-type screw terminals, Hood, beige, 31 mm
GTIN (EAN)	4008190174736	
Qty.	20 pc(s).	
Type	WAH 70 BL	Version
Order No.	<a href="#">1064580000</a>	Bolt-type screw terminals, Hood, blue, 31 mm
GTIN (EAN)	4008190107475	
Qty.	20 pc(s).	
Type	WAH 70/KU	Version
Order No.	<a href="#">1070360000</a>	Bolt-type screw terminals, Hood, beige, 30.5 mm
GTIN (EAN)	4008190191054	
Qty.	20 pc(s).	

### Test plug



#### Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

### General ordering data

Type	PS 4 F.STB 4	Version
Order No.	<a href="#">0299600000</a>	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

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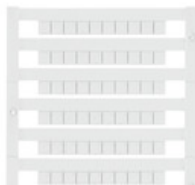
**Accessories**
**Cross-connections**

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**General ordering data**

Type	WQL 3 WFF70	Version
Order No.	<a href="#">1065500000</a>	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4008190174811	
Qty.	5 pc(s).	
Type	WQL 2 WFF70	Version
Order No.	<a href="#">1065000000</a>	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190113933	
Qty.	5 pc(s).	

**Blank**


The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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**Accessories**

**End brackets**



**Klippon® Connect with clamping yoke Technology**  
 The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

**Potential distribution**



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**General ordering data**

Type	WZAF 70	Version
Order No.	<a href="#">1066200000</a>	W-Series, Additional connection
GTIN (EAN)	4008190169831	
Qty.	10 pc(s).	



**Data sheet**

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**Accessories**

**Clampingpoint covers**



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**General ordering data**

Type	WAP WFF70	Version
Order No.	<a href="#">1069800000</a>	Bolt-type screw terminals, cover plate, dark beige, 2 mm
GTIN (EAN)	4008190022600	
Qty.	20 pc(s).	