

Data sheet

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. | 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). |

Creation date 22 April 2020 16:33:53 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet

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

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 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 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 | | |

Data sheet

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

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 | | |

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 | 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 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 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

Creation date 22 April 2020 16:33:53 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet

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

Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate IECEX Certificate IECEX Certificate IECEX Certificate ATEX Certificate CB 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 |
| User Documentation | Cross Connection Guide StorageConditionsTerminalBlocks |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk