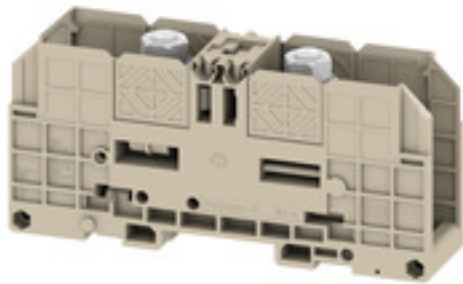


Data sheet

Bolt-type screw terminals WFF 70

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 |
| Order No. | 1028400000 |
| Version | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 70 mm ² , Threaded stud connection |
| GTIN (EAN) | 4008190083311 |
| Qty. | 10 pc(s). |

Creation date 22 April 2020 16:30:14 CEST

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

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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 | 176.5 g |
| Net weight | 157.464 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 | 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 | | |

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

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Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate IECEX Certificate IECEX Certificate IECEX Certificate ATEX Certificate DE_PT1004_20160418_876_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 |
|---------------|------------------------------------|



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