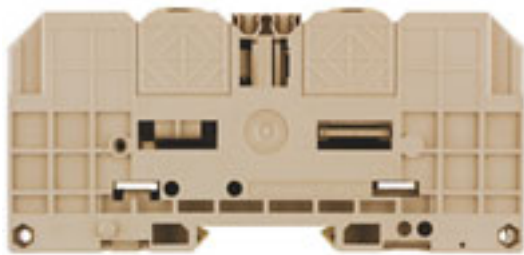


W-series terminal with clamping yoke connection WFF 70

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 |
| Order No. | 1028400000 |
| Version | W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 70 mm ² , Threaded stud connection |
| GTIN (EAN) | 4008190083311 |
| Qty. | 10 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|---------|--------------------------|---------|
| Length | 132 mm | Width | 31.8 mm |
| Height | 61 mm | Height of lowest version | 69.5 mm |
| Weight | 176.5 g | Net weight | 158.5 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature | | Storage temperature | |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

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 | 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 |

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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 | Mounting rail | TS 35 |
| 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