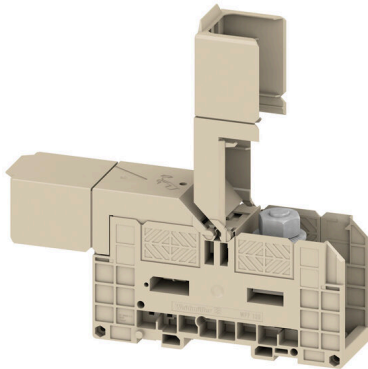


WFF 120/M12/AH**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|---|
| Version | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection |
| Order No. | 1857540000 |
| Type | WFF 120/M12/AH |
| GTIN (EAN) | 4032248402595 |
| Qty. | 4 items |

WFF 120/M12/AH

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURusEX) E184763

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 80.5 mm | Depth (inches) | 3.1693 inch |
| Depth including DIN rail | 88.5 mm | Height | 229.5 mm |
| Height (inches) | 9.0354 inch | Width | 42 mm |
| Width (inches) | 1.6535 inch | Net weight | 330 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Basic material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|-------|-------------------------------------|----|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting rail | TS 35 | | |

Additional technical data

| | | | |
|--------------------------|--------|-----------------------------|---------|
| Open sides | closed | Number of similar terminals | 1 |
| Explosion-tested version | Yes | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|-----------|-----------------------|----------------|
| Wire cross section max. (CSA) | 250 kcmil | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 310 A | Certificate No. (CSA) | 200039-1244019 |
| Wire cross section min. (CSA) | 10 AWG | | |

Conductors for clamping (rated connection)

| | | | |
|---|--------------------------|-------------------------|--------------------------|
| Cable lug to DIN 46234 | 6...150 mm ² | Cable lug to DIN 46235 | 16...150 mm ² |
| Wire connection cross section AWG, max. | kcmil 250 | Connection direction | on side |
| Tightening torque, max. | 20 Nm | Tightening torque, min. | 10 Nm |
| Type of connection | Threaded stud connection | Number of connections | 2 |

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| | | | |
|---|--------------------------|---|--------------------------|
| Clamping range, max. | 150 mm ² | Clamping range, min. | 6 mm ² |
| Wire connection cross section AWG, min. | AWG 8 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 6 mm ² | Wire connection cross section, finely stranded, max. | 150 mm ² |
| Wire connection cross section, finely stranded, min. | 6 mm ² | Connection cross-section, stranded, max. | 150 mm ² |
| Connection cross-section, stranded, min. | 6 mm ² | Stud size for spade connection | M 12 |
| Wire connection cross-section, solid core, max. | 150 mm ² | Wire connection cross-section, solid core, min. | 6 mm ² |
| Connection cross-section, finely stranded, min. | 6 mm ² | 2 x cable lugs DIN 46 235 | 16...120 mm ² |
| 2 x cable lugs DIN 46 234 | 6 to 120 mm ² | | |

Dimensions

| | | | |
|--------------|---------|--------------|-------|
| TS 15 offset | 13.5 mm | TS 35 offset | 66 mm |
|--------------|---------|--------------|-------|

General

| | | | |
|---|---------------|---|-------|
| Wire connection cross section AWG, max. | kcmil 250 | Wire connection cross section AWG, min. | AWG 8 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 120 mm ² | Rated voltage | 1000 V |
| Rated DC voltage | 1500 V | Nominal current | 269 A |
| Current at maximum wires | 309 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.12 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 8.61 W | Pollution severity | 3 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 | | |

Drawings

