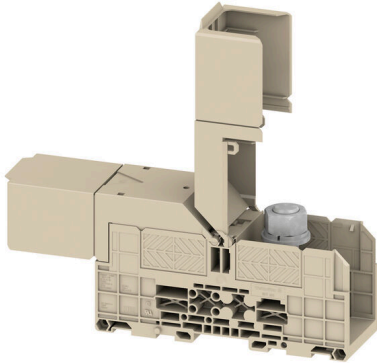


WFF 300/AH O.PS**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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: 300 mm ² , Threaded stud connection |
| Order No. | 1878650000 |
| Type | WFF 300/AH O.PS |
| GTIN (EAN) | 4032248481194 |
| Qty. | 6 items |

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Technical data

Approvals

Approvals



| | |
|---------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 85.5 mm | Depth (inches) | 3.3661 inch |
| Depth including DIN rail | 94 mm | Height | 163 mm |
| Height (inches) | 6.4173 inch | Width | 55 mm |
| Width (inches) | 2.1654 inch | Net weight | 559.68 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °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 | No | 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 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|--------|------------------|-------|
| Open sides | closed | Snap-on | Yes |
| Explosion-tested version | Yes | Type of mounting | TS 35 |

Conductors for clamping (rated connection)

| | | | |
|---|--------------------------|---|--------------------------|
| Cable lug to DIN 46234 | 25...240 mm ² | Cable lug to DIN 46235 | 50...300 mm ² |
| Connection direction | on side | Tightening torque, max. | 60 Nm |
| Tightening torque, min. | 25 Nm | Type of connection | Threaded stud connection |
| Number of connections | 2 | Clamping range, max. | 300 mm ² |
| Clamping range, min. | 25 mm ² | Wire connection cross section AWG, min. | AWG 4 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 25 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 25 mm ² |

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| | | | |
|--|--------------------------|--|---------------------------|
| Wire connection cross section, finely stranded, max. | 240 mm ² | Wire connection cross section, finely stranded, min. | 25 mm ² |
| Connection cross-section, stranded, max. | 300 mm ² | Connection cross-section, stranded, min. | 25 mm ² |
| Stud size for spade connection | M 16 | Wire connection cross-section, solid core, max. | 240 mm ² |
| Wire connection cross-section, solid core, min. | 25 mm ² | Connection cross-section, finely stranded, min. | 25 mm ² |
| 2 x cable lugs DIN 46 235 | 50...240 mm ² | 2 x cable lugs DIN 46 234 | 25 to 240 mm ² |

General

| | | | |
|---|-------|-----------|---------------|
| Wire connection cross section AWG, min. | AWG 4 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 300 mm ² | Rated voltage | 1000 V |
| Rated DC voltage | 1500 V | Nominal current | 520 A |
| Current at maximum wires | 520 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.06 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 16.64 W | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|-----------|---|-------|
| Conductor size Factory wiring max. (UR) | 600 kcmil | Current size C (UR) | 500 A |
| Voltage size C (UR) | 1000 V | Conductor size Factory wiring min. (UR) | 6 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 6 AWG |
| Conductor size Field wiring max. (UR) | 600 kcmil | | |

Important note

| | |
|---------------------|------------------------|
| Product information | Cover without testhole |
|---------------------|------------------------|

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

