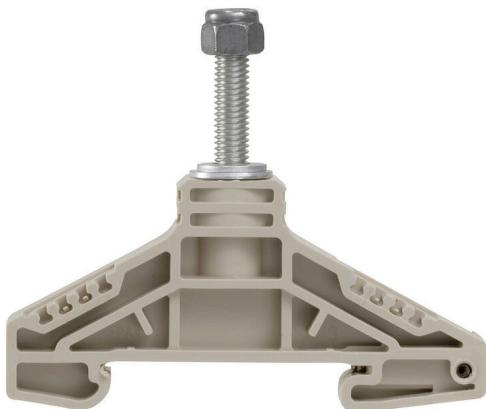


WF 5 NFF

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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: 16 mm ² , Threaded stud connection |
| Order No. | 1968990000 |
| Type | WF 5 NFF |
| GTIN (EAN) | 4032248702886 |
| Qty. | 25 items |

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Technical data

Approvals

Approvals



RoHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 54.5 mm | Depth (inches) | 2.1457 inch |
| Height | 67 mm | Height (inches) | 2.6378 inch |
| Width | 13 mm | Width (inches) | 0.5118 inch |
| Net weight | 22.68 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

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

Additional technical data

| | | | |
|--------------------------|----|------------------|---------|
| Explosion-tested version | No | Type of mounting | Snap-on |
|--------------------------|----|------------------|---------|

Conductors for clamping (rated connection)

| | | | |
|---|--------------------------|---|------------------------|
| Cable lug to DIN 46234 | 0.1...16 mm ² | Cable lug to DIN 46235 | 6...10 mm ² |
| Wire connection cross section AWG, max. | AWG 4 | Connection direction | on side |
| Tightening torque, max. | 4.5 Nm | Tightening torque, min. | 3.7 Nm |
| Type of connection | Threaded stud connection | Number of connections | 1 |
| Clamping range, max. | 16 mm ² | Clamping range, min. | 0.1 mm ² |
| Wire connection cross section AWG, min. | AWG 27 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.41 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.41 mm ² | Wire connection cross section, finely stranded, max. | 16 mm ² |
| Wire connection cross section, finely stranded, min. | 0.41 mm ² | Connection cross-section, stranded, max. | 16 mm ² |

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Technical data

| | |
|---|---------------------------|
| Connection cross-section, stranded, min. | 0.41 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² |
| Connection cross-section, finely stranded, min. | 0.41 mm ² |
| 2 x cable lugs DIN 46 234 | 0.1 to 16 mm ² |

| | |
|---|------------------------|
| Stud size for spade connection | M 5 |
| Wire connection cross-section, solid core, min. | 0.41 mm ² |
| 2 x cable lugs DIN 46 235 | 6...10 mm ² |

Dimensions

| | |
|--------------|---------|
| TS 35 offset | 31.5 mm |
|--------------|---------|

General

| | |
|---|---------------|
| Wire connection cross section AWG, max. | AWG 4 |
| Standards | IEC 60947-7-1 |

| | |
|---|--------|
| Wire connection cross section AWG, min. | AWG 27 |
| Mounting rail | TS 35 |

Rating data

| | |
|--|--------------------|
| Rated cross-section | 16 mm ² |
| Rated DC voltage | 1000 V |
| Current at maximum wires | 76 A |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ |
| Power loss in accordance with IEC 60947-7-x | 2.43 W |

| | |
|---------------------------------|---------------|
| Rated voltage | 1000 V |
| Nominal current | 76 A |
| Standards | IEC 60947-7-1 |
| Rated impulse withstand voltage | 8 kV |
| Pollution severity | 3 |

Classifications

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

| | |
|-------------|-------------|
| ETIM 9.0 | EC000897 |
| ECLASS 14.0 | 27-25-01-01 |

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Drawings

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WQL 2 WF5 | Version |
| Order No. | 1812710000 | Bolt-type screw terminals, Cross-connector, Number of poles: 2 |
| GTIN (EAN) | 4032248404568 | |
| Qty. | 5 ST | |
| Type | WQL 3 WF5 | Version |
| Order No. | 1812740000 | Bolt-type screw terminals, Cross-connector, Number of poles: 3 |
| GTIN (EAN) | 4032248404551 | |
| Qty. | 5 ST | |

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WTW WF6 | Version |
| Order No. | 1781220000 | Bolt-type screw terminals, Partition plate, dark beige, 3 mm |
| GTIN (EAN) | 4032248219377 | |
| Qty. | 20 ST | |
| Type | WTW WF6-WF12 | Version |
| Order No. | 1781240000 | Bolt-type screw terminals, Partition plate, dark beige, 2.5 mm |
| GTIN (EAN) | 4032248241156 | |
| Qty. | 20 ST | |
| Type | WTW WF6 2300 | Version |
| Order No. | 1781230000 | Bolt-type screw terminals, Partition plate, grey, 2 mm |
| GTIN (EAN) | 4032248241125 | |
| Qty. | 20 ST | |

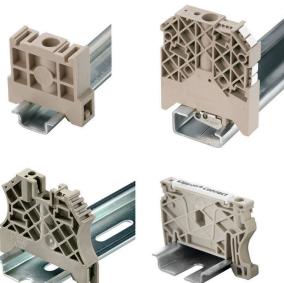
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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WEW 35/2 | Version |
| Order No. | 1061200000 | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 ST | |

Protection against contact



Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ADP WF6/WF8 | Version |
| Order No. | 1780930000 | Bolt-type screw terminals, Cover profile, Transparent, 1000 mm |
| GTIN (EAN) | 4032248241248 | |
| Qty. | 1 M | |
| Type | HA ADP WF6/WF10 | Version |
| Order No. | 1781050000 | Bolt-type screw terminals, Cover profile, dark beige, 2.2 mm |
| GTIN (EAN) | 4032248241231 | |
| Qty. | 10 ST | |

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/6 MC NE WS | Version |
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436 | Weidmüller, white |
| Qty. | 1000 ST | |
| Type | WS 15/5 MC NE WS | Version |
| Order No. | 1609880000 | WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmüller, |
| GTIN (EAN) | 4008190203504 | Allen-Bradley, white |
| Qty. | 480 ST | |

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally shaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |

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Accessories

DEK 5/6



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DEK 5/6 MM WS | Version |
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 ST | |