

WTL 4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

| | |
|------------|--|
| Version | Test-disconnect terminal, Screw connection, 4 mm ² , 500 V, 32 A, sliding, Cross-disconnect: without, Integral test socket: No, TS 35, dark beige |
| Order No. | 1754960000 |
| Type | WTL 4 |
| GTIN (EAN) | 4032248054527 |
| Qty. | 50 pc(s). |

Creation date June 3, 2024 11:46:37 PM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 39.9 mm | Depth (inches) | 1.571 inch |
| Depth including DIN rail | 40.7 mm | Height | 61.3 mm |
| Height (inches) | 2.413 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 10.96 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °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 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, Spacer, for screwable cross-connection, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1057876 | Current size B (CSA) | 28 A |
| Current size D (CSA) | 10 A | Voltage size B (CSA) | 300 V |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

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Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 | Stripping length | 10 mm |
| Tightening torque, max. | 0.7 Nm | Tightening torque, min. | 0.4 Nm |
| Torque level with DMS electric screwdriver | 1 | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|-------|
| TS 35 offset | 30 mm |
|--------------|-------|

Disconnect terminals

| | | | |
|-----------------------------|---------|-----------------------------|--------|
| Cross-disconnect | without | Integral test socket | No |
| Slitting | sliding | Torque max. screw separator | 0.7 Nm |
| Torque min. screw separator | 0.5 Nm | | |

General

| | | | |
|---|--------|---|--------|
| Rail | TS 35 | Wire connection cross section AWG, max. | AWG 10 |
| Wire connection cross section AWG, min. | AWG 26 | | |

Rating data

| | | | |
|---------------------------------|-------------------|--|--------|
| Rated cross-section | 4 mm ² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Rated current | 32 A |
| Current at maximum wires | 41 A | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Rated impulse withstand voltage | 6 kV | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 10 AWG |
| Conductor size Field wiring min. (UR) | 26 AWG | Current size C (UR) | 28 A |
| Voltage size C (UR) | 300 V | | |

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Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000902 | ETIM 7.0 | EC000902 |
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ECLASS 9.0 | 27-14-11-26 | ECLASS 9.1 | 27-14-11-26 |
| ECLASS 10.0 | 27-14-11-26 | ECLASS 11.0 | 27-14-11-26 |
| ECLASS 12.0 | 27-14-11-26 | ECLASS 13.0 | 27-25-01-09 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 7948ec8a-2463-4ee6-bb2c-835964375777 |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CB Test Report CB Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings



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Accessories

2.5 mm²


2.5
mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZAP/TW 1 RT | Version |
| Order No. | 1683660000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190483111 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 OR | Version |
| Order No. | 1608760000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190190873 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 GN | Version |
| Order No. | 1683680000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190476489 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 GR | Version |
| Order No. | 1683710000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190476793 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 | Version |
| Order No. | 1608740000 | Z-series, Accessories, End plate, Partition plate |
| GTIN (EAN) | 4008190190859 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 SW | Version |
| Order No. | 1683730000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190476885 | |
| Qty. | 50 pc(s). | |
| Type | ZAP/TW 1 BL | Version |
| Order No. | 1608750000 | Z-series, Accessories, End plate, Partition plate |
| GTIN (EAN) | 4008190190866 | |
| Qty. | 50 pc(s). | |

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Accessories

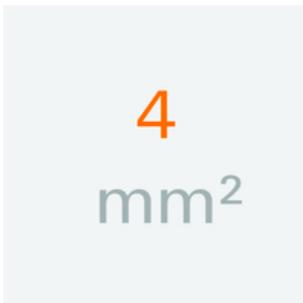
Screws



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

General ordering data

| | | |
|------------|----------------------------|---------------------------|
| Type | BFSC M3X22 SAKT4 | Version |
| Order No. | 1319900000 | Mounting screw (Terminal) |
| GTIN (EAN) | 4008190029326 | |
| Qty. | 50 pc(s). | |

4 mm²

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WQV 4/3 | Version |
| Order No. | 1054560000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4008190168971 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 50 pc(s). | |
| Type | WQV 4/7 | Version |
| Order No. | 1057260000 | Cross-connector (terminal), when screwed in, Number of poles: 7, |
| GTIN (EAN) | 4008190092139 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 10 pc(s). | |
| Type | WQV 4/6 | Version |
| Order No. | 1057160000 | Cross-connector (terminal), when screwed in, Number of poles: 6, |
| GTIN (EAN) | 4008190172008 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 10 pc(s). | |
| Type | WQV 4/2 | Version |
| Order No. | 1051960000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190026486 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 50 pc(s). | |
| Type | WQV 4/5 | Version |
| Order No. | 1057860000 | Cross-connector (terminal), when screwed in, Number of poles: 5, |
| GTIN (EAN) | 4008190067380 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 10 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|---|
| Type | WQV 4/10 | Version |
| Order No. | 1052060000 | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190054687 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 20 pc(s). | |

| | | |
|------------|----------------------------|--|
| Type | WQV 4/4 | Version |
| Order No. | 1054660000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190095758 | Pitch in mm (P): 6.10, Insulated: Yes, 41 A, yellow |
| Qty. | 50 pc(s). | |

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 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

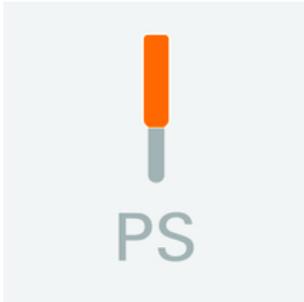
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | WS 12/6 MC NE WS | Version |
| Order No. | 1609900000 | WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4008190203467 | Allen-Bradley, white |
| Qty. | 600 pc(s). | |

Test plugs



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|--------------------------------|
| Type | PS 2.3 RT | Version |
| Order No. | 0180400000 | Test adapter (terminal), 20 mA |
| GTIN (EAN) | 4008190060121 | |
| Qty. | 20 pc(s). | |

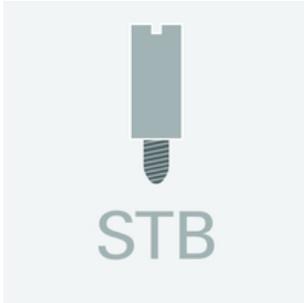
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Accessories

Testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|---------------------------|---------------------|
| Type | STB 8.5/5/2.3/M3 SAK2.5 | Version |
| Order No. | 028060000 | Accessories, Socket |
| GTIN (EAN) | 4008190023188 | |
| Qty. | 50 pc(s). | |

Shorting elements



The short current bridges are inserted into two instrument transformer wiring terminal blocks. By using the short-circuit bridge, the desired short-circuit could be realized within the application for maintenance work.

General ordering data

| | | |
|------------|---------------------------|--|
| Type | QVS 2/4 SAKT4 | Version |
| Order No. | 131926000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190136512 | Pitch in mm (P): 12.00, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |

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Accessories

Connection sleeves



General ordering data

| | | |
|------------|----------------------------|--|
| Type | VH 16.1/5/3.4 | Version |
| Order No. | 0309700000 | Connecting sleeve (terminal), Height: 5 mm, Width: 5 mm, Depth: 16.1 mm, Cu Zn |
| GTIN (EAN) | 4008190037024 | |
| Qty. | 50 pc(s). | |

A-Series



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 | AEB 35 SCL/1 V0 GY | Version |
| Order No. | 2661290000 | A-series, End bracket |
| GTIN (EAN) | 4050118702170 | |
| Qty. | 20 pc(s). | |
| Type | AEB 35 SC/1 | Version |
| Order No. | 1991920000 | A-series, End bracket |
| GTIN (EAN) | 4050118376722 | |
| Qty. | 50 pc(s). | |
| Type | AEB 35 SC/1 BK | Version |
| Order No. | 2475310000 | A-series, End bracket |
| GTIN (EAN) | 4050118487114 | |
| Qty. | 50 pc(s). | |
| Type | AEB 35 SCL/1 V0 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 pc(s). | |
| Type | AEB 35 SCL/1 V0 BK | Version |
| Order No. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 pc(s). | |

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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 pc(s). | | |

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Accessories

WS 12/6

**WS/ DEK**

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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 | WS 12/6 MM WS | Version |
| Order No. | 2007200000 | WS, Terminal marker, 12 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118391886 | |
| Qty. | 600 pc(s). | |

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 snapped 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 pc(s). | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |