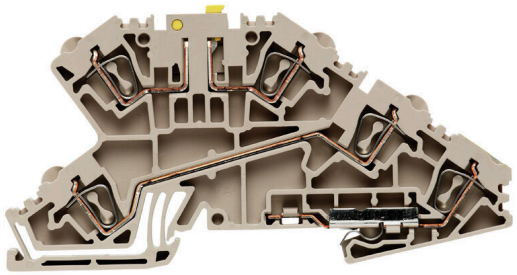
Data sheet

# ZDL 2.5/TR/DU/PE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



Building installation wiring
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

### General ordering data

| | |
|---|---|
| Version | Test-disconnect terminal, Tension-clamp connection, 2.5 mm², 400 V, 20 A, Pivoting, dark beige |
| Order No. | 1743180000 |
| Type | ZDL 2.5/TR/DU/PE |
| GTIN (EAN) | 4008190978846 |
| Qty. | 50 items |
| Delivery status | Discontinued |
| Available until | 2023-03-31T00:00:00+02:00 |
| Alternative product | AITB 2.5 LDT-L-PE |

# Data sheet

## ZDL 2.5/TR/DU/PE

**Weidmüller Interface GmbH & Co. KG**
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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 49.5 mm | Depth (inches) | 1.9488 inch |
| Height | 95 mm | Height (inches) | 3.7401 inch |
| Width | 5.1 mm | Width (inches) | 0.2008 inch |
| Net weight | 14.8 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 | Tension-clamp connection, Spacer, With PE connection, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 3 | Number of levels | 3 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | Yes |
| Mounting rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

### Additional technical data

| | | | |
|---|---|---|---|
| Open sides | right | Installation advice | Direct mounting |
| Explosion-tested version | No | Type of mounting | Snap-on |
| Mounting plate every 200 mm | No | | |

### CSA rating data

| | | | |
|---|---|---|---|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 154685-1142891 |
| Voltage size D (CSA) | 300 V | Current size D (CSA) | 10 A |
| Wire cross section min. (CSA) | 26 AWG | | |

# ZDL 2.5/TR/DU/PE

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## Technical data

### Conductors for clamping (additional connection)

| | |
|---|---|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm² |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Gauge to IEC 60947-1 | A2 | Wire connection cross section AWG, max. | AWG 12 |
| Stripping length | 8 mm | Type of connection | Tension-clamp connection |
| Number of connections | 5 | Clamping range, max. | 4 mm² |
| Clamping range, min. | 0.13 mm² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm² | Wire connection cross section, finely stranded, max. | 4 mm² |
| Wire connection cross section, finely stranded, min. | 0.13 mm² | Connection cross-section, stranded, min. | 0.13 mm² |
| Wire connection cross-section, solid core, max. | 4 mm² | Wire connection cross-section, solid core, min. | 0.13 mm² |
| Connection cross-section, finely stranded, min. | 0.13 mm² | | |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 26 | Mounting rail | TS 35 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 20 A |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 4 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | | |

### UL rating data

| | | | |
|---|---|---|---|
| Voltage size B (UR) | 300 V | Current size B (UR) | 15 A |
| Conductor size Factory wiring max. (UR) | 12 AWG | Current size D (UR) | 10 A |
| Conductor size Factory wiring min. (UR) | 26 AWG | Certificate No. (UR) | E60693 |
| Conductor size Field wiring min. (UR) | 26 AWG | Voltage size D (UR) | 300 V |
| Conductor size Field wiring max. (UR) | 12 AWG | | |

### Classifications

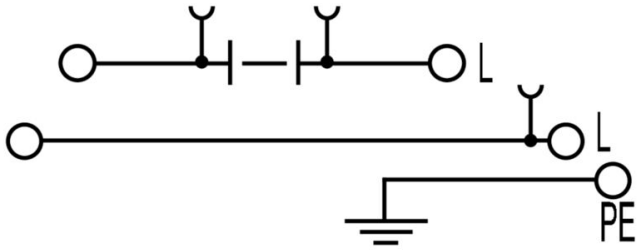
| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

# ZDL 2.5/TR/DU/PE

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## Drawings



Weidmüller

**Weidmüller Interface GmbH & Co. KG**
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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 | ZQV 2.5N/20 GE | Version |
| Order No. | 1909000000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4032248535613 | |
| Qty. | 20 ST | |

## End plates and partition plates

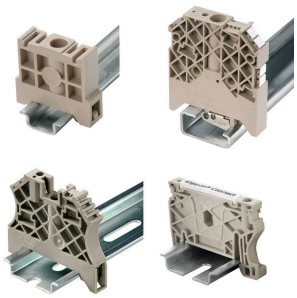


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row 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 | ZAP ZDL2.5 | Version |
| Order No. | 1720910000 | Z-series, End plate |
| GTIN (EAN) | 4008190398880 | |
| Qty. | 20 ST | |

## 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 | ZEW 35 | Version |
| Order No. | 9540000000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264 | |
| Qty. | 20 ST | |

# ZDL 2.5/TR/DU/PE

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## Accessories

| | | |
|---|---|---|
| Type | ZEW 35/2 | Version |
| Order No. | 8630740000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916 | |
| Qty. | 20 ST | |

### Testadapter and 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 | PS 2.3 RT | Version |
| Order No. | 0180400000 | Test adapter (terminal), 230 V, 20 mA |
| GTIN (EAN) | 4008190060121 | |
| Qty. | 20 ST | |

### Fuse holder



The fuse holder SIHA quickly turns a disconnect terminal into a fuse terminal: simply remove the disconnect lever and attach the fuse unit.

### General ordering data

| | | |
|---|---|---|
| Type | SIHA 3/G20 | Version |
| Order No. | 7921560000 | Fuse holder for feed-through modular terminal, black, 6.3 A, |
| GTIN (EAN) | 4032248264643 | pluggable, V-0, Wemid |
| Qty. | 25 ST | |
| Type | SIHA 3/G20/LD 10-36V | Version |
| Order No. | 7921570000 | Fuse holder for feed-through modular terminal, black, 2.31 mA, |
| GTIN (EAN) | 4032248322503 | pluggable, V-0, Wemid |
| Qty. | 25 ST | |
| Type | SIHA 3/G20/LD 35-70V | Version |
| Order No. | 7921580000 | Fuse holder for feed-through modular terminal, black, 2.31 mA, |
| GTIN (EAN) | 4032248322619 | pluggable, V-0, Wemid |
| Qty. | 25 ST | |
| Type | SIHA 3/G20/LD 60-150V | Version |
| Order No. | 7921590000 | Fuse holder for feed-through modular terminal, black, 2.31 mA, |
| GTIN (EAN) | 4032248322626 | pluggable, V-0, Wemid |
| Qty. | 25 ST | |

# ZDL 2.5/TR/DU/PE

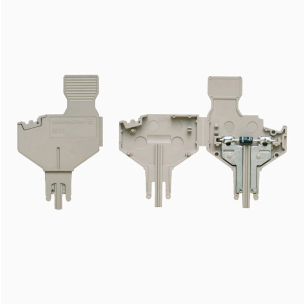
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## Accessories

| | | |
|---|---|---|
| Type | SIHA 3/G20/LD 140-250V | Version |
| Order No. | 7921600000 | Fuse holder for feed-through modular terminal, black, 2.31 mA, |
| GTIN (EAN) | 4032248322633 | pluggable, V-0, Wemid |
| Qty. | 25 ST | |

### Component plugs



The component plug is used to integrate an electrical component in a disconnect terminal block. After soldering the electronic component, the plug can be integrated into the disconnection area of our disconnect terminal blocks and thus changes the disconnect terminal block into a modular terminal block with integrated electronic component.

### General ordering data

| | | |
|---|---|---|
| Type | BEST | Version |
| Order No. | 1833100000 | Accessories, Component plug |
| GTIN (EAN) | 4032248501014 | |
| Qty. | 50 ST | |

| | | |
|---|---|---|
| Type | BEST/D | Version |
| Order No. | 1878560000 | Accessories, Component plug, 1 A |
| GTIN (EAN) | 4032248471492 | |
| Qty. | 50 ST | |

| | | |
|---|---|---|
| Type | BEST/DRBR | Version |
| Order No. | 1878570000 | Accessories, Component plug, 22 A |
| GTIN (EAN) | 4032248471508 | |
| Qty. | 50 ST | |

### Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

### General ordering data

| | | |
|---|---|---|
| Type | TNST | Version |
| Order No. | 1833090000 | Accessories, Disconnect plug, 20 A |
| GTIN (EAN) | 4032248471485 | |
| Qty. | 50 ST | |

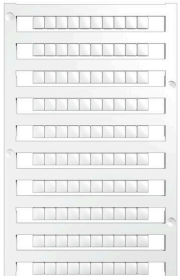
# ZDL 2.5/TR/DU/PE

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Germany

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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.

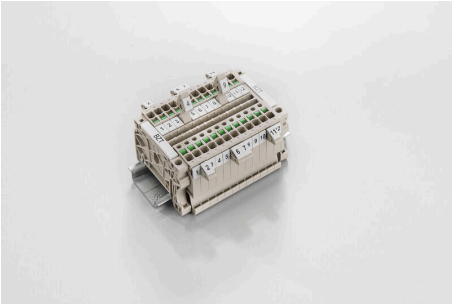
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1000 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 snaped 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 | |

# ZDL 2.5/TR/DU/PE

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## Accessories

### Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

#### General ordering data

| | | |
|---|---|---|
| Type | SDIS SLIM 0.6X3.5X100 | Version |
| Order No. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350 | thickness (A): 0.6 mm |
| Qty. | 1 ST | |

### Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

#### General ordering data

| | | |
|---|---|---|
| Type | DTLE 2.5/4 | Version |
| Order No. | 2910530000 | Locking element (terminal), Wemid, red |
| GTIN (EAN) | 4099986519466 | |
| Qty. | 25 ST | |