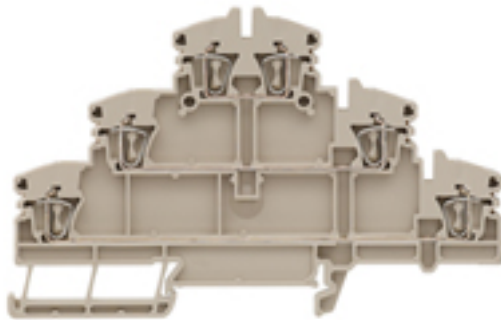


Z terminal with tension spring connection ZDLD 2.5-2N

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Fon: +49 5231 14-0
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

| | |
|------------|---|
| Type | ZDLD 2.5-2N |
| Order No. | 1782300000 |
| Version | Z terminal with tension spring connection, Multi-tier modular terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, Dark Beige, Direct mounting |
| GTIN (EAN) | 4032248176526 |
| Qty. | 50 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|------------|----------|--------------------------|--------|
| Length | 110.5 mm | Width | 5.1 mm |
| Height | 69 mm | Height of lowest version | 70 mm |
| Net weight | 16.8 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature | | Storage temperature | |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|--|
| Explosion-tested version | No | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | Version | Tension-clamp connection, for plug-in cross-connector, One end without connector |

CSA ratings data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1228250 | Voltage size B (CSA) | 300 V |
| Voltage size D (CSA) | 300 V | Current size B (CSA) | 15 A |
| Current size D (CSA) | 10 A | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|---|---------------------|

Clampable wires (rated connection)

| | | | |
|---|--------------------------|---|----------------------|
| Type of connection | Tension clamp connection | Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm | Connection direction | top |
| Number of connections | 6 | Clamping range, rated connection, min. | 0.08 mm ² |
| Clamping range, rated connection, max. | 2.5 mm ² | Gauge to IEC 60947-1 | A2 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 2.5 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 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, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 1.5 mm ² |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 1.5 mm ² |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 12 |

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Technische Daten

Rated data

| | | | |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated impulse withstand voltage | 6 kV | Rated current | 20 A |
| Current at maximum wires | 20 A | Standards | IEC 60947-7-1 |
| Pollution severity | 3 | | |

UL ratings data

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

Material data

| | | | |
|---------------------|-------------------|---------------------------|-------|
| Insulating material | Wemid | Material | Wemid |
| Colour | Brown, Dark Beige | UL 94 flammability rating | V-0 |

System specifications

| | | | |
|-----------------------------------|---|----------------------------------|--------------------------|
| Product family | Z terminal with tension spring connection | Type of connection | Tension clamp connection |
| Connection direction | top | Number of levels | 3 |
| Number of connections | 6 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| End cover plate required | Yes | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | UNSPSC | 30-21-18-11 |
| eClass 5.1 | 27-14-11-18 | eClass 6.2 | 27-14-11-26 |
| eClass 7.1 | 27-14-11-26 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | 2.5 mm ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. |
| Descriptive text accessories | ZVQ 2.5/15 (1720700000) connects two busbars, one above the other. |

Approvals

Approvals



ROHS Conform

Datenblatt

**Z terminal with tension spring connection
ZDL D 2.5-2N**

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Zeichnungen

