

**ZDL 2.5 S/L/L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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    | Z-series, Installation multi-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting |
| Order No.  | <a href="#">1720760000</a>                                                                                                                   |
| Type       | ZDL 2.5 S/L/L                                                                                                                                |
| GTIN (EAN) | 4008190380403                                                                                                                                |
| Qty.       | 50 pc(s).                                                                                                                                    |

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**Technical data****Dimensions and weights**

|                |            |                 |           |
|----------------|------------|-----------------|-----------|
| Depth          | 48 mm      | Depth (inches)  | 1.89 inch |
| Height         | 95 mm      | Height (inches) | 3.74 inch |
| Net weight     | 12.06 g    | Width           | 5.1 mm    |
| Width (inches) | 0.201 inch |                 |           |

**Temperatures**

|                                  |                |                                  |     |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120            |                                  |     |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                     |                                                                                                                     |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | 3-conductor installation terminal, Tension-clamp connection, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 2                                                                                                                   | Number of levels              | 2   |
| 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    | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Snap-on         |

**CSA rating data**

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

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | Inclined / angled        |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 4                        |
| Stripping length                                                                        | 8 mm                 | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>        |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>  |                                                                                         |                          |

## General

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26          |                                         |        |

## Rating data

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | Rated cross-section             | 2.5 mm <sup>2</sup> |
| Rated voltage                                | 400 V   | Rated current                   | 24 A                |
| Current at maximum wires                     | 24 A    | Standards                       | IEC 60947-7-1       |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 kV                |
| Pollution severity                           | 3       |                                 |                     |

## UL rating data

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001329    | ETIM 7.0    | EC001329    |
| ECLASS 9.0  | 27-14-11-25 | ECLASS 9.1  | 27-14-11-25 |
| ECLASS 10.0 | 27-14-11-25 | ECLASS 11.0 | 27-14-11-25 |

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## Technical data

### Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

### Downloads

|                                             |                                                                                                                           |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                      |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                              |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                           |