

**ZDL 2.5/SI/DU/PE****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, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting |
| Order No.  | <a href="#">1763170000</a>                                                                                                |
| Type       | ZDL 2.5/SI/DU/PE                                                                                                          |
| GTIN (EAN) | 4032248109470                                                                                                             |
| Qty.       | 25 pc(s).                                                                                                                 |

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

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 98 mm      | Depth (inches)  | 3.858 inch |
| Height         | 95 mm      | Height (inches) | 3.74 inch  |
| Net weight     | 20.88 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                             | Tension-clamp connection, Fuse cartridge, With PE connection, Without LED, 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                 | Yes |
| Rail                                | TS 35                                                                                                                             | N-function                    | No  |
| PE function                         | Yes                                                                                                                               | PEN function                  | No  |

**Additional technical data**

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

**Conductors for clamping (additional connection)**

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

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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                                                                    | A3                   | Number of connections                                                                   | 5                        |
| Stripping length                                                                        | 10 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 60947-7-3   | 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 voltage to adjoining terminal          | 400 V               |
| Rated current                               | 6.3 A         | Current at maximum wires                     | 6.3 A               |
| Standards                                   | IEC 60947-7-3 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ             |
| Rated impulse withstand voltage             | 6 kV          | Pollution severity                           | 3                   |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ECLASS 9.0  | 27-14-11-16 | ECLASS 9.1  | 27-14-11-16 |
| ECLASS 10.0 | 27-14-11-16 | ECLASS 11.0 | 27-14-11-16 |

## Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| Approval/Certificate/Document of<br>Conformity | <a href="#">CB Certificate</a>            |
|                                                | <a href="#">CB Test Certificate</a>       |
|                                                | <a href="#">EAC certificate</a>           |
|                                                | <a href="#">Declaration of Conformity</a> |
|                                                | <a href="#">Declaration of Conformity</a> |
| Engineering Data                               | <a href="#">STEP</a>                      |
| Engineering Data                               | <a href="#">EPLAN, WSCAD</a>              |
| User Documentation                             | <a href="#">StorageConditions</a>         |
|                                                | <a href="#">TerminalBlocks</a>            |
|                                                | <a href="#">Instruction sheet</a>         |