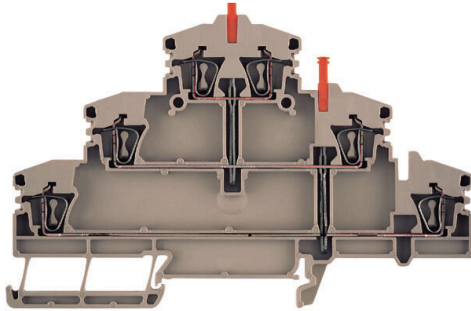


**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |  |
|------------|--|
| Version    | Multi-tier modular terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 400 V, 20 A, dark beige |
| Order No.  | <a href="#">1782320000</a>   |
| Type       | ZDL D 2.5-2VN  |
| GTIN (EAN) | 4032248176540  |
| Qty.       | 25 items   |

## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 69 mm       | Depth (inches) | 2.7165 inch |
| Depth including DIN rail | 70 mm       | Height         | 110.5 mm    |
| Height (inches)          | 4.3504 inch | Width          | 5.1 mm      |
| Width (inches)           | 0.2008 inch | Net weight     | 18.91 g     |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °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, Vertically cross-connected, for plug-in cross-connector, One end without connector | End cover plate required          | Yes   |
| Number of potentials                | 1  | Number of levels                  | 3     |
| Number of clamping points per level | 2  | Levels cross-connected internally | Yes   |
| PE connection                       | No   | Mounting rail                     | TS 35 |

### Additional technical data

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

### CSA rating data

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

## Technical data

### Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

### Conductors for clamping (rated connection)

|   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| Gauge to IEC 60947-1  | A2                       | Wire connection cross section AWG, max.   | AWG 12                   |
| Connection direction  | top                      | Stripping length  | 10 mm                    |
| Type of connection 2  | Tension-clamp connection | Type of connection  | Tension-clamp connection |
| Number of connections   | 6                        | Clamping range, max.  | 2.5 mm <sup>2</sup>      |
| Clamping range, min.  | 0.08 mm <sup>2</sup>     | 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. | 1.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.08 mm <sup>2</sup>     | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.08 mm <sup>2</sup>     | Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>      |
| Wire connection cross section, finely stranded, min.                                    | 0.08 mm <sup>2</sup>     | Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.  | 0.08 mm <sup>2</sup>     | Wire connection cross-section, solid core, max.   | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, min.   | 0.08 mm <sup>2</sup>     | Connection cross-section, finely stranded, min.   | 0.08 mm <sup>2</sup>     |

### General

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

### Rating data

|  |                     |                                 |               |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 400 V         |
| Rated DC voltage                             | 400 V               | Nominal current                 | 20 A          |
| Current at maximum wires                     | 20 A                | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

### 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    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-02 |
| ECLASS 15.0 | 27-25-01-02 |             |             |

**Drawings**

