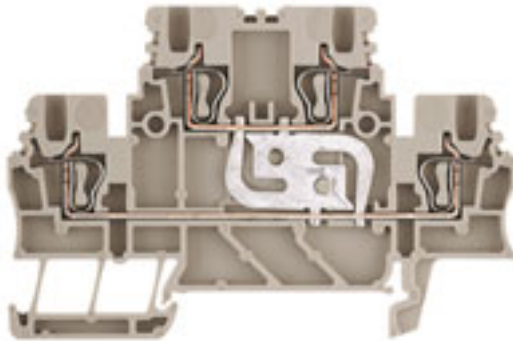


**Z terminal with tension spring connection  
ZDK 1.5V**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
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       | ZDK 1.5V                                                                                                                                                                                        |
| Order No.  | <a href="#">1791130000</a>                                                                                                                                                                      |
| Version    | Z terminal with tension spring connection, Feed-through terminal, Double-tier terminal, Rated cross-section: 1.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Dark Beige, Direct mounting |
| GTIN (EAN) | 4032248239115                                                                                                                                                                                   |
| Qty.       | 100 pc(s).                                                                                                                                                                                      |

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## Technische Daten

### Dimensions and weights

|            |         |                          |        |
|------------|---------|--------------------------|--------|
| Length     | 75.5 mm | Width                    | 3.5 mm |
| Height     | 49.5 mm | Height of lowest version | 50 mm  |
| Net weight | 10.23 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            |         | Version             | Tension-clamp connection,<br>Vertically cross-connected,<br>for plug-in cross-connector,<br>One end without<br>connector |
|                             | Snap-on |                     |                                                                                                                          |

### CSA ratings data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 154685-1461041 | Voltage size C (CSA)          | 600 V  |
| Current size C (CSA)          | 10 A           | Wire cross section max. (CSA) | 16 AWG |
| Wire cross section min. (CSA) | 28 AWG         |                               |        |

### Clampable wires (additional connection)

|                                                                                             |                     |                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|---------------------|

### Clampable wires (rated connection)

|                                                                                                                                       |                          |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Tension clamp connection | Stripping length                                                                                                              | 10 mm                |
| Blade size                                                                                                                            | 0.4 x 2.0 mm             | Connection direction                                                                                                          | top                  |
| Number of connections                                                                                                                 | 4                        | Clamping range, rated connection, min.                                                                                        | 0.05 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 1.5 mm <sup>2</sup>      | Gauge to IEC 60947-1                                                                                                          | B1                   |
| Wire connection cross section, solid core, max. rated connection                                                                      | 0.5 mm <sup>2</sup>      | Wire connection cross section, solid core max. rated connection                                                               | 1.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, max.                                                                                  | 1.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded, min.                                                                          | 0.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 1.5 mm <sup>2</sup>  |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 1.5 mm <sup>2</sup>  |
| Twin wire-end ferrules, min.                                                                                                          | 0.5 mm <sup>2</sup>      | Twin wire-end ferrules, max.                                                                                                  | 0.75 mm <sup>2</sup> |
| Wire connection cross section AWG, min.                                                                                               | AWG 28                   | Wire connection cross section AWG, max.                                                                                       | AWG 16               |

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**Technische Daten****Rated data**

|                                 |                     |               |               |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section             | 1.5 mm <sup>2</sup> | Rated voltage | 500 V         |
| Rated impulse withstand voltage | 6 kV                | Rated current | 17.5 A        |
| Current at maximum wires        | 17.5 A              | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                   |               |               |

**UL ratings data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 16 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 16 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Current size B (cURus)                     | 10 A   |
| Current size D (cURus)                     | 10 A   | Voltage size B (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  |                                            |        |

**Material data**

|                     |       |                           |       |
|---------------------|-------|---------------------------|-------|
| Insulating material | Wemid | Material                  | Wemid |
| Colour              | 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                 | 2                        |
| Number of connections             | 4                                         | No. of clamping points per level | 2                        |
| Levels cross-connected internally | Yes                                       | End cover plate required         | Yes                      |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | UNSPSC     | 30-21-18-01 |
| eClass 5.1 | 27-14-11-18 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

**Approvals**

Approvals



ROHS

Conform