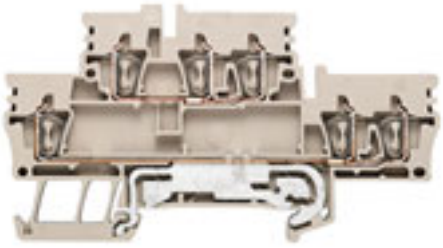
# Z terminal with tension spring connection
# ZDK 2.5/3AN DU-PE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 other Weidmüller terminal lines.
Z-Series terminals have a large clamping range and one or two cross-connection slots.

## General ordering data

| | |
|---|---|
| Type | ZDK 2.5/3AN DU-PE |
| Order No. | 1924460000 |
| Version | Z terminal with tension spring connection, Double-tier terminal, Rated cross-section: 2.5 mm², Tension clamp connection, Wemid, Dark Beige |
| GTIN (EAN) | 4032248563890 |
| Qty. | 50 pc(s). |

# Z terminal with tension spring connection
# ZDK 2.5/3AN DU-PE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Technische Daten

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 93 mm | Width | 5.1 mm |
| Height | 50.5 mm | Height of lowest version | 51.5 mm |
| Net weight | 19.62 g | | |

### Temperatures

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

### Rated data IECEx/ATEX

| | | | |
|---|---|---|---|
| Certificate No. (ATEX) | KEMA06ATEX0271U | ATEX certificate | KEMA06ATEX0271U_d.pdf |
| ATEX certificate | KEMA06ATEX0271U_e.pdf | Certificate No. (IECEX) | IECEXKEM06.0048U |
| IEC Ex certificate | IECEXKEM06.0048U_e.pdf | Max. voltage (ATEX) | 550 V |
| Current (ATEX) | 21 A | Wire cross section max. (ATEX) | 2.5 mm² |
| Max. voltage (IECEX) | 550 V | Current (IECEX) | 21 A |
| Wire cross section max. (IECEX) | 2.5 mm² | Voltage, cross-connection | CrossConnectionGuide.pdf |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking ATEX Directive 94/9/EC | II 2 G D |

### Additional technical data

| | | | |
|---|---|---|---|
| Explosion-tested version | Yes | Open sides | right |
| Type of mounting | Snap-on | Version | Tension-clamp connection, for plug-in cross-connector, With PE connection, One end without connector |

### CSA ratings data

| | | | |
|---|---|---|---|
| Certificate No. (CSA) | 200039-1842498 | Voltage size B (CSA) | 300 V |
| Voltage size C (CSA) | 300 V | Current size B (CSA) | 24 A |
| Current size C (CSA) | 24 A | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG | | |

### Clampable wires (additional connection)

| | | | |
|---|---|---|---|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm² |

# Z terminal with tension spring connection
# ZDK 2.5/3AN DU-PE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Technische Daten

### Clampable wires (rated connection)

| | | | |
|---|---|---|---|
| Type of connection | Tension clamp connection | Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm | Number of connections | 6 |
| Clamping range, rated connection, min. | 0.05 mm² | Clamping range, rated connection, max. | 4 mm² |
| Gauge to IEC 60947-1 | A2 | Wire connection cross section, solid core, max. rated connection | 0.5 mm² |
| Wire connection cross section, solid core max. rated connection | 4 mm² | Wire connection cross section, stranded, rated connection, min. | 0.5 mm² |
| Wire connection cross section, stranded, rated connection, max. | 2.5 mm² | Wire connection cross section, finely stranded, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded, min. | 0.5 mm² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm² | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm² | Wire connection cross section AWG, min. | AWG 30 |
| Wire connection cross section AWG, max. | AWG 12 | | |

### Dimensions

| | |
|---|---|
| TS 35 offset | 25.5 mm |

### Rated data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 800 V | Rated impulse withstand voltage | 8 kV |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Rated current | 24 A |
| Current at maximum wires | 31 A | Standards | IEC 60947-7-1 (-7-2) |
| Pollution severity | 3 | | |

### UL ratings data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 30 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 30 AWG | Current size B (cURus) | 20 A |
| Current size C (cURus) | 20 A | Voltage size B (cURus) | 300 V |
| Voltage size C (cURus) | 300 V | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | Wemid | Material | Wemid |
| Colour | Yellow, Green | UL 94 flammability rating | V-0 |

# Z terminal with tension spring connection
# ZDK 2.5/3AN DU-PE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Technische Daten

### System specifications

| | | | |
|---|---|---|---|
| Product family | Z terminal with tension spring connection | Type of connection | Tension clamp connection |
| Number of levels | 2 | Number of connections | 6 |
| No. of clamping points per level | 3 | 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 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 | | |

### Product information

| | |
|---|---|
| Descriptive text technical data | 2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. |
| Descriptive text accessories | 2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500). |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |