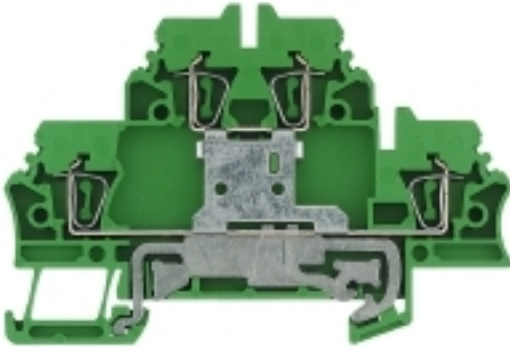


Z-series
ZDK 2.5PE

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



169000 ZDK 2.5/1.5

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 2.5PE |
| Order No. | 1690000000 |
| Version | Z-series, Double-tier terminal, PE terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, green / yellow, Direct mounting |
| GTIN (EAN) | 4008190875466 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|-------|--------|------------|---------|
| Width | 5.1 mm | Height | 79.5 mm |
| Depth | 53 mm | Net weight | 14.8 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|----------------|
| Material | Wemid | Colour | green / yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|---------------------------------|---|
| Certificate No. (ATEX) | KEMA97ATEX4677U | Certificate No. (IECEX) | IECEXULD05.0009U |
| Wire cross section max. (ATEX) | 2.5 mm ² | Wire cross section max. (IECEX) | 2.5 mm ² |
| Voltage, cross-connection | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| Marking EN 60079-7 | Ex e II | Marking ATEX Directive 94/9/EC | II 2 G D |

System specifications

| | | | |
|-----------------------------------|---|----------------------------------|-----|
| Version | Tension-clamp connection, With PE connection, One end without connector | End cover plate required | Yes |
| Number of levels | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | Yes | PE connection | Yes |
| Mounting rail | TS 35 | PEN function | No |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-367 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

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

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|--------------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, rated connection, max. | 2.5 mm ² |
| Clamping range, rated connection, min. | 0.05 mm ² | Connection direction | top |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Gauge to IEC 60947-1 | A2 |
| Number of connections | 4 | 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 30 | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 2.5 mm ² |
| Wire connection cross section, solid core max. rated connection | 2.5 mm ² | Wire connection cross section, solid core, min. rated connection | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 1.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|--|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage to adjoining terminal | 500 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 6 kV | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 14 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 14 AWG |
| Conductor size Field wiring min. (UR) | 26 AWG | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000901 | ETIM 4.0 | EC000491 |
| ETIM 5.0 | EC000491 | ETIM 6.0 | EC000491 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-03-05 |
| eClass 6.2 | 27-14-03-05 | eClass 7.1 | 27-14-03-05 |
| eClass 8.1 | 27-14-11-41 | eClass 9.0 | 27-14-11-41 |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | 2.5 mm ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. |
|---------------------------------|---|

Data sheet

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Technical data

Approvals

Approvals



ROHS

Conform