



General ordering data

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|------------------|--------------------------------------------------------------------------------------------|
| Order No. | 1689970000 |
| Part designation | ZDK 2.5DU-PE |
| Version | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| EAN | 4008190875473 |
| Qty. | 50 pc(s). |

Product notes

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|----------------------|----------------------------------------------------------------------------------------------------------------------|
| Note, technical data | 2.5 mm ² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. |
| Product description | Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm ² . |

PT OKIECEX/ATEX rating data

| | |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| EU-type examination certificate | KEMA97ATEX4677U |
| Download, German | KEMA97ATEX4677U_d.pdf |
| Download English | KEMA97ATEX4677U_e.pdf |
| ATEX voltage | 275 V |
| ATEX current | 20 A |
| ATEX conductor cross-section | 2.5 mm ² |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |
| Operating temperature range | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEx-Certificate of Conformity |
| Marking EN 60079-7 | Ex e II |
| Marking ATEX Directive 94/9/EC | Ex II 2 G D |

Additional technical data

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|---------------------------------|------------|
| Colour of insulating material | dark beige |
| Connection direction | top |
| End plate required | Yes |
| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 35 |

Additional technical data

| | |
|--------------------------------------------------|-------------------|
| Insulating material | Wemid |
| Levels cross-connected internally | No |
| No. of identical terminals | 1 |
| No. of levels | 2 |
| No. of terminal strips per level | 2 |
| Open sides | right |
| Operating temperature range | - 50 °C, + 120 °C |
| Product family | Z-series |
| Type of connection | Clamped |
| Type of mounting | Snap-on |
| UL 94 flammability rating of insulation material | V-0 |
| Version | Double terminal |

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 300 V |
| CSA current | 10 A |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

Conductors for clamping (additional connection)

| | |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm ² |

Conductors for clamping (rated connection)

| | |
|--------------------------------------------------------------|--------------------------|
| Clamping range, min. | 0.05 mm ² |
| Clamping range, max. | 2.5 mm ² |
| Type of connection | Tension clamp connection |
| 2nd type of connection | clamped |
| Connection direction | top |
| No. of connections | 4 |
| Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm |
| Gauge to IEC 60947-1 | A2 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 2.5 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 2.5 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 2.5 mm ² |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm ² |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm ² |
| AWG conductor size, min. | AWG 26 |
| AWG conductor size, max. | AWG 12 |
| AWG conductor size, min. | 0.05 mm ² |
| AWG conductor size, max. | 3.31 mm ² |

Dimensions

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|-------|--------|
| Width | 5.1 mm |
|-------|--------|

Dimensions

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|--------------------------|---------|
| Height of lowest version | 54 mm |
| Length | 79.5 mm |
| TS 35 offset | 39 mm |

Rating data

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|-----------------------------|----------------------|
| Rated cross-section | 2.5 mm ² |
| Rated voltage | 500 V |
| Rated impulse voltage | 6 kV |
| Rated current | 24 A |
| Standards | IEC 60947-7-1 (-7-2) |
| Current with max. conductor | 20 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 300 V |
| Current (UL) | 10 A |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

Approvals

Approvals institutes



Classifications

| | |
|------------|-------------|
| eClass 4.1 | 27-14-11-18 |
| eClass 5.0 | 27-14-11-18 |
| eClass 5.1 | 27-14-11-18 |

Similar products

| Order No. | Part designation | Version |
|------------|------------------|--------------------------------------------------------------------------------------------|
| 1674300000 | ZDK 2.5 | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1678630000 | ZDK 2.5 BL | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1689960000 | ZDK 2.5N-DU | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1689980000 | ZDK 2.5N-PE | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1694140000 | ZDK 2.5 OR | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |

| | | |
|------------|-------------|--------------------------------------------------------------------------------------------|
| 1745880000 | ZDK 2.5V BL | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1689990000 | ZDK 2.5V | Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |