



General ordering data

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| Order No. | 1608570000 |
| Part designation | ZDU 2.5/4AN |
| Version | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| EAN | 4008190077136 |
| Qty. | 100 pc(s). |

Product notes

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| Product description | Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm ² . |
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PT OKIECEEx/ATEX rating data

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|--------------------------------------|---|
| EU-type examination certificate | KEMA97ATEX2521U |
| Download, German | KEMA97ATEX2521U_d.pdf |
| Download English | KEMA97ATEX2521U_e.pdf |
| IECEEx Certificate of Conformity | IECEXULD05.0009U |
| Download | IECEXULD05.0009U_e.pdf |
| ATEX voltage | 550 V |
| ATEX current | 21 A |
| ATEX conductor cross-section | 2.5 mm ² |
| IECEEx voltage | 550 V |
| IECEEx current | 20 A |
| IECEEx conductor cross-section | 2.5 mm ² |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |
| Operating temperature range | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-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 |

Additional technical data

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| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 35 |
| Insulating material | Wemid |
| Levels cross-connected internally | No |
| No. of identical terminals | 1 |
| No. of levels | 1 |
| No. of terminal strips per level | 4 |
| 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 | Feed-through terminal |

CSA rating data

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|--------------------------|--------|
| Voltage (CSA) | 600 V |
| CSA current | 27 A |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

Conductors for clamping (additional connection)

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| 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)

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| Clamping range, min. | 0.05 mm ² |
| Clamping range, max. | 4 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 | A3 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 4 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 4 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 30 |
| 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 |
| Height of lowest version | 39.5 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 | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 24 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 27 A |
| Pollution severity | 3 |

UL rating data

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|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 25 A |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

Approvals

Approvals institutes



Downloads

| | |
|------|--------------------------------------|
| STEP | 1608570000_20775_ZDU_2.5-4AN_STP.stp |
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Classifications

| | |
|------------|-------------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

Similar products

| Order No. | Part designation | Version |
|------------|------------------|---|
| 1608510000 | ZDU 2.5 | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |

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|------------|------------------|---|
| 1608520000 | ZDU 2.5 BL | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1683270000 | ZDU 2.5 GE | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, yellow, TS 35 |
| 1683280000 | ZDU 2.5 GN | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, green, TS 35 |
| 1683310000 | ZDU 2.5 GR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, grey, TS 35 |
| 1636780000 | ZDU 2.5 OR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |
| 1683260000 | ZDU 2.5 RT | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, red, TS 35 |
| 1683330000 | ZDU 2.5 SW | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, black, TS 35 |
| 1683320000 | ZDU 2.5 WS | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, white, TS 35 |
| 1626950000 | ZDU 2.5/10 | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608600000 | ZDU 2.5/2X2AN | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608610000 | ZDU 2.5/2X2AN BL | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1608540000 | ZDU 2.5/3AN | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608550000 | ZDU 2.5/3AN BL | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1683350000 | ZDU 2.5/3AN GE | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, yellow, TS 35 |
| 1683360000 | ZDU 2.5/3AN GN | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, green, TS 35 |
| 1683390000 | ZDU 2.5/3AN GR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, grey, TS 35 |
| 1636790000 | ZDU 2.5/3AN OR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |
| 1683340000 | ZDU 2.5/3AN RT | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, red, TS 35 |
| 1683410000 | ZDU 2.5/3AN SW | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, black, TS 35 |
| 1626960000 | ZDU 2.5/3AN/10 | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608580000 | ZDU 2.5/4AN BL | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1683440000 | ZDU 2.5/4AN GN | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, green, TS 35 |
| 1683470000 | ZDU 2.5/4AN GR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, grey, TS 35 |
| 1636800000 | ZDU 2.5/4AN OR | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |
| 1683420000 | ZDU 2.5/4AN RT | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, red, TS 35 |
| 1683490000 | ZDU 2.5/4AN SW | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, black, TS 35 |

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| 1683480000 | ZDU 2.5/4AN WS | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, white, TS 35 |
| 1626970000 | ZDU 2.5/4AN/10 | Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |