



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1608510000  |
| Part designation | ZDU 2.5   |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| EAN              | 4008190077969   |
| Qty.             | 100 pc(s).  |

#### Product notes

|                     |   |
|---------------------|---|
| Product description | Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm <sup>2</sup> . |
|---------------------|---|

#### PT OKIECEEx/ATEX rating data

|                                      |  |
|--------------------------------------|--|
| EU-type examination certificate      | KEMA97ATEX2521U  |
| Download, German                     | KEMA97ATEX2521U_d.pdf  |
| Download English                     | KEMA97ATEX2521U_e.pdf  |
| IECEX 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 <sup>2</sup>  |
| IECEX voltage                        | 550 V  |
| IECEX current                        | 20 A   |
| IECEX conductor cross-section        | 2.5 mm <sup>2</sup>  |
| 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

|                               |            |
|-------------------------------|------------|
| Colour of insulating material | dark beige |
| Connection direction          | top        |
| End plate required            | Yes        |

#### Additional technical data

|  |                       |
|--|-----------------------|
| 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                 | 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  | Feed-through terminal |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| 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)

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

#### Conductors for clamping (rated connection)

|  |                          |
|--|--------------------------|
| Clamping range, min.   | 0.05 mm <sup>2</sup>     |
| Clamping range, max.   | 4 mm <sup>2</sup>        |
| Type of connection   | Tension clamp connection |
| 2nd type of connection                                       | clamped                  |
| Connection direction   | top                      |
| No. of connections   | 2                        |
| Stripping length   | 10 mm                    |
| Blade size   | 0.6 x 3.5 mm             |
| Gauge to IEC 60947-1   | A3                       |
| Solid, min.  | 0.5 mm <sup>2</sup>      |
| Solid, max.  | 4 mm <sup>2</sup>        |
| Flexible, min.   | 0.5 mm <sup>2</sup>      |
| Flexible, max.   | 4 mm <sup>2</sup>        |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>      |
| Flexible with ferrule, max. (DIN 46228/1)                    | 2.5 mm <sup>2</sup>      |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm <sup>2</sup>      |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm <sup>2</sup>      |
| AWG conductor size, min.                                     | AWG 30                   |
| AWG conductor size, max.                                     | AWG 12                   |
| AWG conductor size, min.                                     | 0.05 mm <sup>2</sup>     |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup>     |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 5.1 mm  |
| Height of lowest version | 39.5 mm |
| Length                   | 59.5 mm |
| TS 35 offset             | 27.5 mm |

#### Rating data

|                             |                     |
|-----------------------------|---------------------|
| Rated cross-section         | 2.5 mm <sup>2</sup> |
| Rated voltage               | 800 V               |
| Rated impulse voltage       | 8 kV                |
| Rated current               | 24 A                |
| Standards                   | IEC 60947-7-1       |
| Current with max. conductor | 31 A                |
| Pollution severity          | 3                   |

#### UL rating data

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

#### Approvals

Approvals institutes



#### Downloads

|      |                                  |
|------|----------------------------------|
| DXF  | 20741_ZDU_2.5_DXF.dxf            |
| STEP | 1608510000_20741_ZDU_2.5_STP.stp |

#### 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 |
|-----------|------------------|---------|
|-----------|------------------|---------|

|            |                  |   |
|------------|------------------|---|
| 1608520000 | ZDU 2.5 BL       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35       |
| 1683270000 | ZDU 2.5 GE       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, yellow, TS 35     |
| 1683280000 | ZDU 2.5 GN       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35      |
| 1683310000 | ZDU 2.5 GR       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35       |
| 1636780000 | ZDU 2.5 OR       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35     |
| 1683260000 | ZDU 2.5 RT       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35        |
| 1683330000 | ZDU 2.5 SW       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35      |
| 1683320000 | ZDU 2.5 WS       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, white, TS 35      |
| 1626950000 | ZDU 2.5/10       | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608600000 | ZDU 2.5/2X2AN    | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608610000 | ZDU 2.5/2X2AN BL | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35       |
| 1608540000 | ZDU 2.5/3AN      | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608550000 | ZDU 2.5/3AN BL   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35       |
| 1683350000 | ZDU 2.5/3AN GE   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, yellow, TS 35     |
| 1683360000 | ZDU 2.5/3AN GN   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35      |
| 1683390000 | ZDU 2.5/3AN GR   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35       |
| 1636790000 | ZDU 2.5/3AN OR   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35     |
| 1683340000 | ZDU 2.5/3AN RT   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35        |
| 1683410000 | ZDU 2.5/3AN SW   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35      |
| 1626960000 | ZDU 2.5/3AN/10   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608570000 | ZDU 2.5/4AN      | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1608580000 | ZDU 2.5/4AN BL   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35       |
| 1683440000 | ZDU 2.5/4AN GN   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35      |
| 1683470000 | ZDU 2.5/4AN GR   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35       |
| 1636800000 | ZDU 2.5/4AN OR   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35     |
| 1683420000 | ZDU 2.5/4AN RT   | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35        |

|            |                |   |
|------------|----------------|---|
| 1683490000 | ZDU 2.5/4AN SW | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35      |
| 1683480000 | ZDU 2.5/4AN WS | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, white, TS 35      |
| 1626970000 | ZDU 2.5/4AN/10 | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |