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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



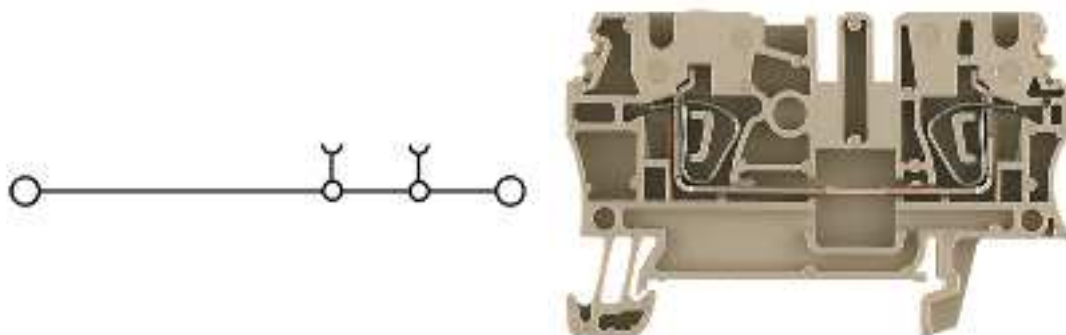
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#### General ordering data

|                  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| Order No.        | 1683340000                                                                               |
| Part designation | ZDU 2.5/3AN RT                                                                           |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35 |
| EAN              | 4008190477981                                                                            |
| Qty.             | 100 pc(s).                                                                               |

#### Product notes

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Note, ordering data | The rated voltage is reduced to 400 V when using the cross-connection.                                    |
| 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 | red |
|-------------------------------|-----|

#### Additional technical data

|                                                  |                       |
|--------------------------------------------------|-----------------------|
| Connection direction                             | top                   |
| End plate required                               | Yes                   |
| 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                 | 3                     |
| Open sides                                       | right                 |
| Operating temperature range                      | - 50 °C, + 100 °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                                           | 3                        |
| 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>     |



#### Conductors for clamping (rated connection)

AWG conductor size, max. 3.31 mm<sup>2</sup>

#### Dimensions

Width 5.1 mm  
 Height of lowest version 39.5 mm  
 Length 64.5 mm  
 TS 35 offset 32.5 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



#### Classifications

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 <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35 |
| 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     |
| 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