

**ZDU 2.5N OR****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

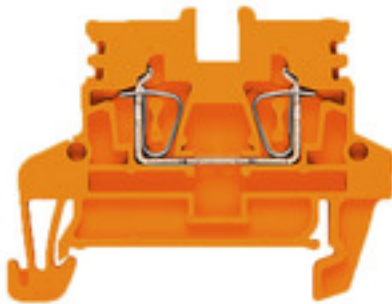
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**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |  |
|------------|--|
| Version    | Feed-through terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 800 V, 24 A, orange |
| Order No.  | <a href="#">1316880000</a>   |
| Type       | ZDU 2.5N OR  |
| GTIN (EAN) | 4050118120950  |
| Qty.       | 50 pc(s).  |

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**Technical data**
**Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 38.5 mm    | Depth (inches) | 1.516 inch |
| Depth including DIN rail | 39 mm      | Height         | 50.5 mm    |
| Height (inches)          | 1.988 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 4.56 g     |

**Temperatures**

|                                  |                |                                  |     |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120            |                                  |     |

**Material data**

|                           |       |        |        |
|---------------------------|-------|--------|--------|
| Material                  | Wemid | Colour | orange |
| UL 94 flammability rating | V-0   |        |        |

**Rating data IECEx/ATEX**

|                                |                   |                                 |                   |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO15ATEX1467U  | Certificate No. (IECEX)         | IECEXULD15.0008U  |
| Max. voltage (ATEX)            | 440 V             | Current (ATEX)                  | 22 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup> | Max. voltage (IECEX)            | 440 V             |
| Current (IECEX)                | 22 A              | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb     | Ex 2014/34/EU label             | II 2 G D          |

**System specifications**

|                               |  |                                     |       |
|-------------------------------|--|-------------------------------------|-------|
| Version                       | Tension-clamp connection, for plug-in cross-connector, One end without connector | End cover plate required            | Yes   |
| Number of levels              | 1  | Number of clamping points per level | 2     |
| Number of potentials per tier | 1  | Levels cross-connected internally   | No    |
| PE connection                 | No   | Rail                                | TS 35 |

**Additional technical data**

|                          |         |            |       |
|--------------------------|---------|------------|-------|
| Explosion-tested version | Yes     | Open sides | right |
| Type of mounting         | Snap-on |            |       |

**Conductors for clamping (additional connection)**

|  |        |  |        |
|--|--------|--|--------|
| Cross-section for connected wire, AWG, additional connection, max. | AWG 12 | Cross-section for connected wire, AWG, additional connection, min. | AWG 24 |
|--|--------|--|--------|

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**Technical data**

**Conductors for clamping (rated connection)**

|   |                      |   |                          |
|---|----------------------|---|--------------------------|
| Blade size  | 0.6 x 3.5 mm         | Clamping range, max.  | 4 mm <sup>2</sup>        |
| Clamping range, min.  | 0.05 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 2.5 mm <sup>2</sup>      |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup>  | Connection direction  | top                      |
| Gauge to IEC 60947-1  | A2                   | Number of connections   | 2                        |
| Stripping length  | 10 mm                | Type of connection  | Tension-clamp connection |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>      |

**Dimensions**

|              |         |
|--------------|---------|
| TS 35 offset | 25.5 mm |
|--------------|---------|

**General**

|      |       |           |               |
|------|-------|-----------|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
|------|-------|-----------|---------------|

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   |  |         |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |

**Approvals**

Approvals



ROHS Conform

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**Technical data**

**Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>   |
| Product Change Notification                 | <a href="#">PCN ZDU2.5N ZPE 2.5N ATEX IECEX change</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ZDU/ZPE 2.5N</a><br><a href="#">BPZL Z-Series</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

**Data sheet**

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**Drawings**

