

**Z-series  
ZDUB 2.5-2/2AN/DM OR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

|            |   |
|------------|---|
| Type       | ZDUB 2.5-2/2AN/DM OR  |
| Order No.  | <a href="#">1704370000</a>  |
| Version    | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, orange, Direct mounting |
| GTIN (EAN) | 4008190948115   |
| Qty.       | 100 pc(s).  |

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Catalogue status 24.07.2020 / We reserve the right to make technical changes.

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height     | 33.5 mm | Height (inches) | 1.319 inch |
| Depth      | 24 mm   | Depth (inches)  | 0.945 inch |
| Net weight | 4.19 g  |                 |            |

**Temperatures**

|                                  |   |                                  |               |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 40 °C         |
| Storage temperature, min.        | 10 °C   | Storage temperature              | 10 °C...40 °C |
| Continuous operating temp., min. | -50 °C  | Continuous operating temp., max. | 120 °C        |

**Material data**

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

**Rating data IECEx/ATEX**

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX)         | DEMKO16ATEX1808U  | Certificate No. (IECEX)         | IECEXULD16.0036U    |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 21 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 21 A  | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              | Ex eb II C Gb       |
| Ex 2014/34/EU label            | II 2 G D  |                                 |                     |

**System specifications**

|                               |  |                                     |     |
|-------------------------------|--|-------------------------------------|-----|
| Version                       | Tension-clamp connection, can only be bridged at the clamping point, 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   |                                     |     |

**Additional technical data**

|                          |       |                     |                 |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | Yes   | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Direct mounting |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-379 | Current size C (CSA)          | 25 A   |
| Voltage size C (CSA)          | 600 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

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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.  | 0.13 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 AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 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, 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>      |

**Rating data**

|   |                     |  |         |
|---|---------------------|--|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                               | 24 A                | Current at maximum wires                     | 30 A    |
| Standards                                   | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W              | Rated impulse withstand voltage              | 8 kV    |
| Pollution severity                          | 3                   |  |         |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size C (UR)                     | 20 A   |
| Voltage size C (UR)                     | 600 V  |   |        |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0   | EC000897    |
| eClass 9.0  | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC     | 30-21-18-11 |

**Approvals**

Approvals



ROHS

Conform

**Data sheet****Z-series  
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**Technical data****Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DE_PT1111_20160418_1314_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>  |
| Engineering Data                            | <a href="#">STEP</a>  |
| User Documentation                          | <a href="#">Beipackzettel_ZDUB.pdf</a><br><a href="#">NTI ZDUB 2.5-2/2AN/DM/DB</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet**

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**Drawings**

