

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

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
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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   |
| Order No.  | <a href="#">1704350000</a>  |
| Version    | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Dark Beige, Direct mounting |
| GTIN (EAN) | 4008190948092   |
| Qty.       | 100 pc(s).  |

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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 | 3.72 g  |                 |            |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**Rating data IECEx/ATEX**

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX)         | KEMA97ATEX2755U   | Certificate No. (IECEX)         | IECEXKEM07.0061U    |
| 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  | No. of clamping points per level  | 2              |
| Number of potentials per tier | 1  | Levels cross-connected internally | No             |
| PE connection                 | No   | Mounting rail                     | Mounting plate |

**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>      |

**Dimensions**

|              |       |
|--------------|-------|
| TS 15 offset | 17 mm |
|--------------|-------|

**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 |
| 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 3.0   | EC000897    | ETIM 4.0   | EC000897    |
| ETIM 5.0   | EC000897    | ETIM 6.0   | EC000897    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-20 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-06 | eClass 9.0 | 27-14-11-06 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Product information**

|                                 |  |
|---------------------------------|--|
| Descriptive text technical data | Direct mounting  |
| Instructions for accessories    | The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000). |

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">DE_PT1111_20160418_1310_ISSUE01.pdf</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="#">Cross Connection Guide</a>   |

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**

