

**ZDUB 2.5-2/2AN/15****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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**

|            |                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige |
| Order No.  | <a href="#">1712750000</a>                                                                                       |
| Type       | ZDUB 2.5-2/2AN/15                                                                                                |
| GTIN (EAN) | 4008190333171                                                                                                    |
| Qty.       | 100 pc(s).                                                                                                       |

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 31 mm      | Depth (inches) | 1.22 inch  |
| Depth including DIN rail | 32 mm      | Height         | 33.5 mm    |
| Height (inches)          | 1.319 inch | Net weight     | 3.97 g     |
| Width                    | 5.1 mm     | Width (inches) | 0.201 inch |

**Temperatures**

|                                  |                |                                  |                                                                                                   |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -25 °C...55 °C |                                  |                                                                                                   |
| Continuous operating temp., min. | -50            | Continuous operating temp., max. | 120                                                                                               |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**Rating data IECEx/ATEX**

|                                 |                        |                                |                                                                                                   |
|---------------------------------|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)          | DEMKO16ATEX1808U       | ATEX certificate               | KEMA97ATEX2755U_d.pdf                                                                             |
| ATEX certificate                | KEMA97ATEX2755U_e.pdf  | Certificate No. (IECEX)        | IECEXULD16.0036U                                                                                  |
| IEC Ex certificate              | IECEXKEM07.0061U_e.pdf | 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) |                        | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                 | 2.5 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, can only be bridged at the clamping point, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                              | 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 15                                                                                          | N-function                    | No  |
| PE function                         | No                                                                                             | PEN function                  | No  |

**Additional technical data**

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

**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 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>  |                                                                                         |                          |

**General**

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 15  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26        |

**Rating data**

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | 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   |
| UL_current_Print                        | 20 A   | UL_voltage_Print                        | 600 V  |
| UL_wire_max_Print                       | 12 AWG | UL_wire_min_Print                       | 26 AWG |
| 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 | ECLASS 11.0 | 27-14-11-20 |

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**Technical data****Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

**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="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">25781_ZDUB_2.5-2-2AN-15_DXF.dxf</a><br><a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                              |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                             |
| User Documentation                          | <a href="#">Beipackzettel_ZDUB.pdf</a><br><a href="#">NTI ZDUB-ZPEB 2.5-2/2AN/15</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                              |

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## Drawings

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