

**Z-series  
ZDU 4**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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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       | ZDU 4  |
| Order No.  | <a href="#">1632050000</a>   |
| Version    | Feed-through terminal, Tension clamp connection, 4 mm <sup>2</sup> , 800 V, 32 A, Dark Beige |
| GTIN (EAN) | 4008190263188  |
| Qty.       | 100 pc(s).   |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Height                   | 62 mm   | Height (inches) | 2.441 inch |
| Depth                    | 43 mm   | Depth (inches)  | 1.693 inch |
| Depth including DIN rail | 43.5 mm | Net weight      | 11.92 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)         | KEMA97ATEX2521U   | Certificate No. (IECEX)         | IECEXULD05.0009U  |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 28 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 28 A  | Wire cross section max. (IECEX) | 4 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, for plug-in cross-connector, 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                     | TS 35 |

**Additional technical data**

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting |
| Number of similar terminals | 1       | Open sides          | right           |
| Type of mounting            | Snap-on |                     |                 |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1152892 | Current size B (CSA)          | 35 A   |
| Current size C (CSA)          | 35 A           | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 600 V          | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 10 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.  | 6 mm <sup>2</sup>        |
| Clamping range, min.  | 0.13 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 6 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup>  | Connection direction  | top                      |
| Gauge to IEC 60947-1  | A4                   | Number of connections   | 2                        |
| Stripping length  | 12 mm                | Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup>      |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup>  | Type of connection  | Tension clamp connection |
| Wire connection cross section AWG, max.   | AWG 10               | Wire connection cross section AWG, min.   | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 6 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 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. | 4 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.   | 6 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>      |

**Rating data**

|                                 |                   |  |       |
|---------------------------------|-------------------|--|-------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage                                | 800 V |
| Rated current                   | 32 A              | Current at maximum wires                     | 41 A  |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 1 mΩ  |
| Rated impulse withstand voltage | 8 kV              | Pollution severity                           | 3     |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size C (UR)                     | 33 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 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Product information**

Descriptive text technical data      When using twin ferrules, the rated voltage is 690 V.

**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><br><a href="#">ATEX Certificate</a><br><a href="#">DE_PT1101_20160418_1247_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>  |
| Engineering Data                            | <a href="#">STEP</a>  |
| User Documentation                          | <a href="#">Cross Connection Guide</a>  |

**Safety note**

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

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**Drawings**

