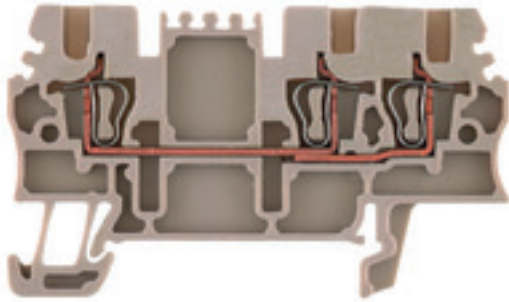


**Z-series  
ZDU 1.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**

|            |  |
|------------|--|
| Type       | ZDU 1.5/3AN  |
| Order No.  | <a href="#">1775530000</a>   |
| Version    | Feed-through terminal, Tension clamp connection, 1.5 mm <sup>2</sup> , 500 V, 17.5 A, Dark Beige |
| GTIN (EAN) | 4032248181490  |
| Qty.       | 100 pc(s).   |

**Z-series  
ZDU 1.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 3.5 mm  | Width (inches)  | 0.138 inch |
| Height                   | 63.5 mm | Height (inches) | 2.5 inch   |
| Depth                    | 36.5 mm | Depth (inches)  | 1.437 inch |
| Depth including DIN rail | 37 mm   | Net weight      | 5.21 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)         | KEMA01ATEX2 106U  | Certificate No. (IECEX)         | IECEXULD05.0009U    |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 15 A                |
| Wire cross section max. (ATEX) | 1.5 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 15 A  | Wire cross section max. (IECEX) | 1.5 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 2014/34/EU label            | II 2 G D  |                                 | Ex eb II C Gb       |

**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  | 3     |
| 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   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1152892 | Current size C (CSA)          | 20 A   |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Z-series  
ZDU 1.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****Conductors for clamping (rated connection)**

|   |                      |   |                          |
|---|----------------------|---|--------------------------|
| Blade size  | 0.4 x 2.0 mm         | Clamping range, max.  | 1.5 mm <sup>2</sup>      |
| Clamping range, min.  | 0.05 mm <sup>2</sup> | Connection direction  | top                      |
| Gauge to IEC 60947-1  | B1                   | Number of connections   | 3                        |
| Stripping length  | 10 mm                | Twin wire-end ferrules, max.  | 0.75 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 16               | Wire connection cross section AWG, min.   | AWG 28                   |
| Wire connection cross section, finely stranded, max.                                    | 1.5 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.   | 1.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>      |

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 1.5 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated current                   | 17.5 A              | Current at maximum wires                     | 17.5 A  |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
| Rated impulse withstand voltage | 6 kV                | Pollution severity                           | 3       |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 14 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 14 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size C (UR)                     | 15 A   |
| Voltage size C (UR)                     | 300 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 |            |             |

**Approvals**

Approvals



ROHS

Conform

Creation date December 10, 2018 9:13:00 PM CET

Catalogue status 07.12.2018 / We reserve the right to make technical changes.

3

**Data sheet****Z-series  
ZDU 1.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****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_1149_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> |
|---------------|------------------------------------|

**Data sheet**

**Z-series**  
**ZDU 1.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

