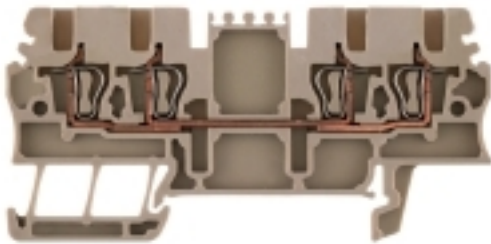


**Z-series  
ZDU 1.5/4AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
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[www.weidmueller.com](http://www.weidmueller.com)

**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 1.5/4AN                                                                                      |
| Order No.  | <a href="#">1775580000</a>                                                                       |
| Version    | Feed-through terminal, Tension clamp connection, 1.5 mm <sup>2</sup> , 500 V, 17.5 A, Dark Beige |
| GTIN (EAN) | 4032248181629                                                                                    |
| Qty.       | 100 pc(s).                                                                                       |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 3.5 mm  | Width (inches)  | 0.138 inch |
| Height                   | 75.5 mm | Height (inches) | 2.972 inch |
| Depth                    | 36.5 mm | Depth (inches)  | 1.437 inch |
| Depth including DIN rail | 37 mm   | Net weight      | 6.54 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                                                                                  | ATEX certificate               | KEMA01ATEX2 106U_d.pdf   |
| ATEX certificate                | KEMA01ATEX2 106U_e.pdf                                                                            | Certificate No. (IECEX)        | IECEXULD05.0009U         |
| IEC Ex certificate              | IECEXULD05.0009U_e.pdf                                                                            | 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>                                                                               | Voltage, cross-connection      | CrossConnectionGuide.pdf |
| 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 e II                  |

**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  | 4     |
| 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)         | 200039-1 152892 | 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          |                               |        |

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

|                                                                                                                                       |                          |                                                                                                           |                     |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                                                            | 0.4 x 2.0 mm             | Clamping range, rated connection, max.                                                                    | 1.5 mm <sup>2</sup> |
| Clamping range, rated connection, min.                                                                                                | 0.05 mm <sup>2</sup>     | Connection direction                                                                                      | top                 |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup>      | Gauge to IEC 60947-1                                                                                      |                     |
| Number of connections                                                                                                                 | 4                        |                                                                                                           | B1                  |
| Twin wire-end ferrules, max.                                                                                                          | 0.75 mm <sup>2</sup>     | Stripping length                                                                                          | 10 mm               |
| Type of connection                                                                                                                    | Tension clamp connection | Twin wire-end ferrules, min.                                                                              | 0.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.                                                                                               | AWG 28                   | Wire connection cross section AWG, max.                                                                   | AWG 16              |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 1.5 mm <sup>2</sup> |
| Wire connection cross section, solid core max. rated connection                                                                       | 1.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded, max.                                                      | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.         | 1.5 mm <sup>2</sup>      | Wire connection cross section, solid core, min. rated connection                                          | 0.5 mm <sup>2</sup> |
|                                                                                                                                       |                          | Wire connection cross-section, finely stranded, 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 |            |             |

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**Technical data****Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|                                             |                                                                                             |
|---------------------------------------------|---------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_ZDU 1.5_4AN.pdf</a><br><a href="#">DE_PT1101_20160418_1152_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                    |

**Safety note**

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

**Data sheet****Z-series  
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**Drawings**