

**Z-series
ZDU 4-2/3AN BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
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 4-2/3AN BL |
| Order No. | 1770860000 |
| Version | Feed-through terminal, Tension clamp connection, 4 mm ² , 800 V, 32 A, Blue |
| GTIN (EAN) | 4032248121205 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Height | 61.5 mm | Height (inches) | 2.421 inch |
| Depth | 45.5 mm | Depth (inches) | 1.791 inch |
| Depth including DIN rail | 46 mm | Net weight | 10.26 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------|
| Material | Wemid | Colour | Blue |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|---------------------------|-------------------------------------|--------------------------------|---|
| Certificate No. (ATEX) | KEMA97ATEX4677U | ATEX certificate | KEMA97ATEX4677U_d.pdf |
| ATEX certificate | KEMA97ATEX4677U_e.pdf | Max. voltage (ATEX) | 550 V |
| Current (ATEX) | 28 A | Wire cross section max. (ATEX) | 4 mm ² |
| Voltage, cross-connection | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| Marking EN 60079-7 | CrossConnectionGuide.pdf Ex e II | 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 | 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 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, rated connection, max. | 6 mm ² |
| Clamping range, rated connection, min. | 0.13 mm ² | Connection direction | Inclined / angled |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Gauge to IEC 60947-1 | A3 |
| Number of connections | 3 | Stripping length | 10 mm |
| Twin wire-end ferrules, max. | 1.5 mm ² | Twin wire-end ferrules, min. | 0.5 mm ² |
| 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 with wire-end ferrules DIN 46228/1, rated connection, max. | 4 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, solid core max. rated connection | 6 mm ² | Wire connection cross section, solid core, min. rated connection | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 4 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|---------|
| TS 35 offset | 50.5 mm |
|--------------|---------|

Rating data

| | | | |
|---------------------------------|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated current | 32 A | Current at maximum wires | 38 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 ordering data | Rated voltage is reduced to 400 V when using the cross-connector. |
| Descriptive text accessories | The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000). |

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Catalogue status 08.09.2017 / We reserve the right to make technical changes.

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Technical data**Approvals**

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CFAT_ZDU 4-2_3AN.pdf CFAT_EX i_all products DE_PT1141_20160418_1271_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |

Safety noteSafety notice [Safety Information](#)

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Drawings

