

**ZDU 4/10/BEZ****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |  |
|------------|--|
| Version    | Feed-through terminal, Tension-clamp connection, 4 mm <sup>2</sup> , 800 V, 32 A, dark beige |
| Order No.  | <a href="#">1651900000</a>   |
| Type       | ZDU 4/10/BEZ   |
| GTIN (EAN) | 4008 19040 1047  |
| Qty.       | 10 pc(s).  |

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 43 mm      | Depth (inches) | 1.693 inch |
| Depth including DIN rail | 43.5 mm    | Height         | 62 mm      |
| Height (inches)          | 2.441 inch | Width          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 114.1 g    |

**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 °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)         | DEMKO15ATEX1467U  | Certificate No. (IECEX)         | IECEXULD15.0008U  |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 28 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 28 A  | Wire cross section max. (IECEX) | 6 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  | Number of clamping points per level | 2     |
| Number of potentials per tier | 1  | Levels cross-connected internally   | No    |
| PE connection                 | No   | Rail                                | TS 35 |

**Additional technical data**

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting |
| Number of similar terminals | 10      | Open sides          | right           |
| Type of mounting            | Snap-on |                     |                 |

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## Technical data

## Conductors for clamping (rated connection)

|   |                          |   |                      |
|---|--------------------------|---|----------------------|
| 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, min.   | AWG 26                   | Wire connection cross section, finely stranded, max.                                    | 6 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, min.                                    | 0.5 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, solid core, max.   | 6 mm <sup>2</sup>    |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>      |   |                      |

## General

|   |                 |   |        |
|---|-----------------|---|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 10 |
| Wire connection cross section AWG, min. | AWG 26          |   |        |

## 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              | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| Pollution severity              | 3                 |  |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | 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 | ECLASS 12.0 | 27-14-11-20 |

## Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <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="#">ATEX Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>   |
| Product Change Notification                 | <a href="#">PCN - EN</a><br><a href="#">PCN - DE</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">BPZL Z-Series</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

**Data sheet**

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**Drawings**

