

**ZPE 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

**General ordering data**

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| Version    | PE terminal, Tension-clamp connection, 4 mm <sup>2</sup> , 480 A (4 mm <sup>2</sup> ), Green/yellow |
| Order No.  | <a href="#">1632080000</a>                                                                          |
| Type       | ZPE 4                                                                                               |
| GTIN (EAN) | 4008 1902632 18                                                                                     |
| Qty.       | 50 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         | 62.5 mm    |
| Height (inches)          | 2.461 inch | Width          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 14.04 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 | Green/yellow |
| UL 94 flammability rating | V-0   |        |              |

## Rating data IECEx/ATEX

|                                |                                                                                                   |                                 |                   |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO15ATEX1467U                                                                                  | Certificate No. (IECEX)         | IECEXULD15.0008U  |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>                                                                                 | 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, With PE connection, One end without connector | End cover plate required            | Yes |
| Number of levels                  | 1                                                                       | Number of clamping points per level | 2   |
| Levels cross-connected internally | No                                                                      | PE connection                       | Yes |
| Rail                              | TS 35                                                                   | PE function                         | Yes |
| PEN function                      | No                                                                      |                                     |     |

## 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 | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

## 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. | 1.5 mm <sup>2</sup>  |

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## Technical data

|                                                                                         |                                        |         |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Connection direction                                                                    | top                                    |         |                      |
| Gauge to IEC 60947-1                                                                    | A4                                     |         |                      |
| Number of connections                                                                   | 2                                      |         |                      |
| Stripping length                                                                        | 12 mm                                  |         |                      |
| Tube length for twin wire-end ferrule                                                   | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        | min.    | 6 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | min.    | 6 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>    |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         |                                        | max.    | 12 mm                |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | nominal | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        | nominal | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | nominal | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                                         |                                        | nominal | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                                         |                                        | nominal | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>    |
|                                                                                         |                                        | nominal | 12 mm                |
| 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, 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>                    |         |                      |

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**Technical data**

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**

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26        |

**PE rating data**

|                          |                            |              |    |
|--------------------------|----------------------------|--------------|----|
| Rated short-time current | 480 A (4 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|----------------------------|--------------|----|

**Rating data**

|                                                      |                   |                                              |        |
|------------------------------------------------------|-------------------|----------------------------------------------|--------|
| Rated cross-section                                  | 4 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 800 V  |
| Standards                                            | IEC 60947-7-2     | Volume resistance according to IEC 60947-7-x | 1 mΩ   |
| Rated impulse withstand voltage to adjacent terminal | 8 kV              | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| Pollution severity                                   | 3                 |                                              |        |

**UL rating data**

|                                         |        |                                            |        |
|-----------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Certificate No. (cURus)                    | E60693 |
| Conductor size Factory wiring max. (UR) | 10 AWG | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Conductor size Field wiring max. (UR)   | 10 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Conductor size Field wiring min. (cURus)   | 26 AWG |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | EC000901    |
| ETIM 8.0    | EC000901    | ECLASS 9.0  | 27-14-11-41 |
| ECLASS 9.1  | 27-14-11-41 | ECLASS 10.0 | 27-14-11-41 |
| ECLASS 11.0 | 27-14-11-41 | ECLASS 12.0 | 27-14-11-41 |

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## Technical data

## Approvals

Approvals



|                           |         |
|---------------------------|---------|
| ROHS                      | Conform |
| Certificate No. (UR)      | E60693  |
| Certificate No. (cURus)   | E60693  |
| Certificate No. (cURusEX) | E184763 |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><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="#">DNVGL certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">Lloyds Register Certificate</a><br><a href="#">MARITREG Certificate</a><br><a href="#">MARITREG 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> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Change Notification                 | <a href="#">PCN - DE</a><br><a href="#">PCN - EN</a><br><a href="#">PCN ZDU4 ZPE4 ATEX IECEx change</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ZDU/ZPE 4</a><br><a href="#">BPZL Z-Series</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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## Drawings

