

**ZPE 2.5/4AN****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, 2.5 mm <sup>2</sup> , 300 A (2.5 mm <sup>2</sup> ), Green/yellow |
| Order No.  | <a href="#">1608660000</a>                                                                              |
| Type       | ZPE 2.5/4AN                                                                                             |
| GTIN (EAN) | 4008190076290                                                                                           |
| Qty.       | 50 pc(s).                                                                                               |

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 38.5 mm    | Depth (inches) | 1.516 inch |
| Depth including DIN rail | 39.5 mm    | Height         | 79.5 mm    |
| Height (inches)          | 3.13 inch  | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 15.2 g     |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °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) | 4 mm <sup>2</sup> | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb     | Ex 2014/34/EU label             | II 2 G D          |

**System specifications**

|                                     |                                                                               |                                   |       |
|-------------------------------------|-------------------------------------------------------------------------------|-----------------------------------|-------|
| Version                             | Tension-clamp connection,<br>With PE connection, One<br>end without connector | End cover plate required          | Yes   |
| Number of potentials                | 1                                                                             | Number of levels                  | 1     |
| Number of clamping points per level | 4                                                                             | Levels cross-connected internally | No    |
| PE connection                       | Yes                                                                           | Rail                              | TS 35 |
| PE function                         | Yes                                                                           | PEN function                      | No    |

**Additional technical data**

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting |
| 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) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (additional connection)**

|                                        |                          |
|----------------------------------------|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|----------------------------------------|--------------------------|

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

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A3                   | Number of connections                                                                   | 4                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 30                   |
| Wire connection cross section, finely stranded, max.                                    | 4 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. | 2.5 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. | 2.5 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, solid core, max.                                         | 4 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 60947-7-2   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 30          |                                         |        |

**PE rating data**

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

**Rating data**

|                                              |                     |                                                      |               |
|----------------------------------------------|---------------------|------------------------------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage to adjoining terminal                  | 800 V         |
| Rated DC voltage                             | 800 V               | Standards                                            | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage to adjacent terminal | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity                                   | 3             |

**UL rating data**

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | EC000901    |
| ETIM 8.0    | EC000901    | ETIM 9.0    | EC000901    |
| ETIM 10.0   | 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 |
| ECLASS 13.0 | 27-25-01-03 | ECLASS 14.0 | 27-25-01-03 |
| ECLASS 15.0 | 27-25-01-03 |             |             |

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## Technical data

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319217/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319226/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319230/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319231/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319213/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319234/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319235/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319235/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319240/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319242/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319246/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319246/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319249/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319249/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319255/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319255/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/)

|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (cURus)   | E60693     |
| Certificate No. (cURusEX) | E184763    |

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|                                             |                                                              |
|---------------------------------------------|--------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a>                    |
|                                             | <a href="#">UKCA Ex Attestation of Conformity</a>            |
|                                             | <a href="#">IECEX Certificate</a>                            |
|                                             | <a href="#">CB Test Certificate</a>                          |
|                                             | <a href="#">CB Certificate</a>                               |
|                                             | <a href="#">Lloyds Register Certificate</a>                  |
|                                             | <a href="#">CCC Ex Certificate</a>                           |
|                                             | <a href="#">ATEX Certificate</a>                             |
|                                             | <a href="#">UKCA Ex Certificate</a>                          |
|                                             | <a href="#">RINA Certificate</a>                             |
|                                             | <a href="#">17-AV4BO-0546U</a>                               |
|                                             | <a href="#">DNV Certificate</a>                              |
|                                             | <a href="#">Declaration of Conformity</a>                    |
| Engineering Data                            | <a href="#">UKCA declaration of conformity</a>               |
|                                             | <a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Product Change Notification                 | <a href="#">CAD data – STEP</a>                              |
| User Documentation                          | <a href="#">Product Change Notification ZPE Q1/2022 DE</a>   |
|                                             | <a href="#">Product Change Notification Q1/2022 EN</a>       |
|                                             | <a href="#">StorageConditionsTerminalBlocks</a>              |
|                                             | <a href="#">NTI ZDU/ZPE 2.5/4AN</a>                          |
| Catalogues                                  | <a href="#">User Manual Z-Series</a>                         |
| Brochures                                   | <a href="#">Catalogues in PDF-format</a>                     |

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## Drawings

