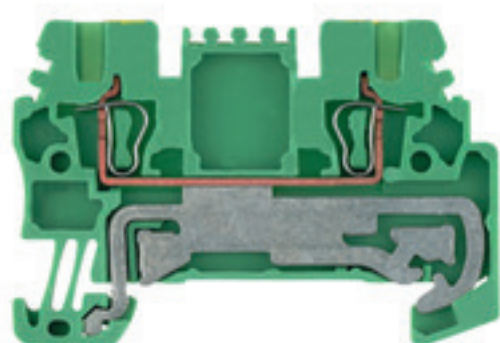


**ZPE 1.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| Version    | PE terminal, Tension-clamp connection, 1.5 mm <sup>2</sup> , 180 A (1.5 mm <sup>2</sup> ), Green/yellow |
| Order No.  | <a href="#">1775510000</a>                                                                              |
| Type       | ZPE 1.5                                                                                                 |
| GTIN (EAN) | 4032248181452                                                                                           |
| Qty.       | 50 pc(s).                                                                                               |

## ZPE 1.5

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## Technical data

## Dimensions and weights

|                          |          |                |          |
|--------------------------|----------|----------------|----------|
| Depth                    | 36.5 mm  | Depth (inches) | 1.437 °C |
| Depth including DIN rail | 37 mm    | Height         | 54.5 mm  |
| Height (inches)          | 2.146 °C | Width          | 3.5 mm   |
| Width (inches)           | 0.138 °C | Net weight     | 8.06 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) | 1.5 mm <sup>2</sup>                                                                               | Wire cross section max. (IECEx) | 1.5 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     | 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) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

## ZPE 1.5

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |              |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.4 x 2.0 mm | Clamping range, max.                                                                    | 1.5 Nm                   |
| Clamping range, min.                                                                    | 0.05 Nm      | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | B1           | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 10 mm        | Twin wire-end ferrules, max.                                                            | 0.75 Nm                  |
| Twin wire-end ferrules, min.                                                            | 0.5 Nm       | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 16       | Wire connection cross section AWG, min.                                                 | AWG 30                   |
| Wire connection cross section, finely stranded, max.                                    | 1.5 Nm       | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 Nm                   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 Nm       | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 Nm                   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 Nm       | Wire connection cross-section, solid core, max.                                         | 1.5 Nm                   |
| Wire connection cross-section, solid core, min.                                         | 0.5 Nm       |                                                                                         |                          |

## General

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-2   | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 30          |                                         |        |

## PE rating data

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 180 A (1.5 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

## Rating data

|                                                      |               |                                              |         |
|------------------------------------------------------|---------------|----------------------------------------------|---------|
| Rated cross-section                                  | 1.5 Nm        | Rated voltage to adjoining terminal          | 500 V   |
| Standards                                            | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.83 °C |
| Rated impulse withstand voltage to adjacent terminal | 6 kV          | Power loss in accordance with IEC 60947-7-x  | 0.56 W  |
| 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                          | UL_wire_max_Print                       | 14 A / 6 A / 10 A / 13 A / 15 A |
| UL_wire_min_Print                       | 26 A / 6 A / 10 A / 13 A / 15 A |                                         |                                 |

## 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 |             |             |

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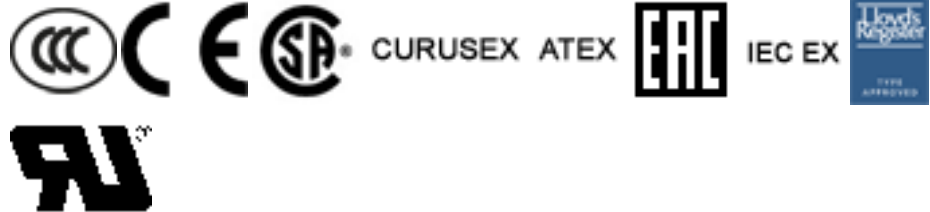
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**Technical data****Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

**Downloads**

|                                             |                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">Lloyds Register 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="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity all terminals</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                 |
| Product Change Notification                 | <a href="#">PCN_ZPE_Q2_2021 - EN</a><br><a href="#">PCN_ZPE_Q2_2021 - DE</a><br><a href="#">Product Change Notification ZPE Q1/2022 DE</a><br><a href="#">Product Change Notification Q1/2022 EN</a>                                                                                                                                                                                     |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ZDU/ZPE 1.5</a>                                                                                                                                                                                                                                                                                                       |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                 |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                          |

## ZPE 1.5

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## Drawings

