

**Z-series  
ZPE 6-2/2AN**

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

|            |                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------|
| Type       | ZPE 6-2/2AN                                                                                            |
| Order No.  | <a href="#">1771370000</a>                                                                             |
| Version    | Z-series, PE terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension-clamp connection, Green/yellow |
| GTIN (EAN) | 4032248142965                                                                                          |
| Qty.       | 50 Stück                                                                                               |

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## Technische Daten

### Dimensions and weights

|                          |          |                 |            |
|--------------------------|----------|-----------------|------------|
| Width                    | 8.1 mm   | Width (inches)  | 0.319 inch |
| Height                   | 68 mm    | Height (inches) | 2.677 inch |
| Depth                    | 49.19 mm | Depth (inches)  | 1.937 inch |
| Depth including DIN rail | 50 mm    | Net weight      | 21.9 g     |

### Temperatures

|                                  |                                                                                                   |                                  |        |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|--------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C                                                                                            |                                  |        |

### Material data

|                           |       |             |              |
|---------------------------|-------|-------------|--------------|
| Material                  | Wemid | Colour code | Green/yellow |
| UL 94 flammability rating | V-0   |             |              |

### Rating data IECEx/ATEX

|                             |                                                                                                   |                                |                   |
|-----------------------------|---------------------------------------------------------------------------------------------------|--------------------------------|-------------------|
| Certificate No. (ATEX)      | KEMA97ATEX4677U                                                                                   | Wire cross section max. (ATEX) | 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 eb II C Gb     |
| Ex 2014/34/EU label         | II 2 G D                                                                                          |                                |                   |

### System specifications

|                                   |                                                                         |                                  |     |
|-----------------------------------|-------------------------------------------------------------------------|----------------------------------|-----|
| Version                           | Tension-clamp connection, With PE connection, One end without connector | End cover plate required         | Yes |
| Number of levels                  | 1                                                                       | No. of clamping points per level | 2   |
| Levels cross-connected internally | No                                                                      | PE connection                    | Yes |
| Rail                              | TS 35                                                                   | 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) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

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### Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 10 mm <sup>2</sup>       |
| Clamping range, min.                                                                    | 0.22 mm <sup>2</sup> | Connection direction                                                                    | Inclined / angled        |
| Gauge to IEC 60947-1                                                                    | A5                   | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 12 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 8                | Wire connection cross section AWG, min.                                                 | AWG 22                   |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 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. | 6 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 10 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

### PE rating data

|                          |                            |              |    |
|--------------------------|----------------------------|--------------|----|
| Rated short-time current | 720 A (6 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|----------------------------|--------------|----|

### Rating data

|                                                      |                   |                                              |         |
|------------------------------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section                                  | 6 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 800 V   |
| Standards                                            | IEC 60947-7-2     | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 8 kV              | Pollution severity                           | 3       |

### UL rating data

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 8 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG |                                         |       |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000901    | ETIM 4.0   | EC000491    |
| ETIM 5.0   | EC000491    | ETIM 6.0   | EC000901    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-03-05 |
| eClass 6.2 | 27-14-03-05 | eClass 7.1 | 27-14-03-05 |
| eClass 8.1 | 27-14-11-41 | eClass 9.0 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-41 |            |             |

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### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                                                                                                      |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">DE_PT1142_20160418_1408_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                             |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                 |
| User Documentation                          | <a href="#">Cross Connection Guide</a>                                                                                               |

### Safety note

Safety notice [Safety Information](#)

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## Zeichnungen

