



#### General ordering data

|                  |                                                                                            |
|------------------|--------------------------------------------------------------------------------------------|
| Order No.        | 1608650000                                                                                 |
| Part designation | ZPE 2.5/3AN                                                                                |
| Version          | Earth terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green/yellow, TS 35 |
| EAN              | 4008190076559                                                                              |
| Qty.             | 100 pc(s).                                                                                 |

#### Product notes

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Product description | Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm <sup>2</sup> . |
|---------------------|-----------------------------------------------------------------------------------------------------------|

#### PT OKIECEx/ATEX rating data

|                                      |                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| EU-type examination certificate      | KEMA97ATEX2521U                                                                              |
| Download, German                     | KEMA97ATEX2521U_d.pdf                                                                        |
| Download English                     | KEMA97ATEX2521U_e.pdf                                                                        |
| IECEx Certificate of Conformity      | IECExULD05.0009U                                                                             |
| Download                             | IECExULD05.0009U_e.pdf                                                                       |
| ATEX conductor cross-section         | 2.5 mm <sup>2</sup>                                                                          |
| IECEx conductor cross-section        | 2.5 mm <sup>2</sup>                                                                          |
| Voltage when using cross-connections | CrossConnectionGuide.pdf                                                                     |
| Operating temperature range          | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEx-Certificate of Conformity |
| Marking EN 60079-7                   | Ex e II                                                                                      |
| Marking ATEX Directive 94/9/EC       | Ex II 2 G D                                                                                  |

#### Additional technical data

|                                   |              |
|-----------------------------------|--------------|
| Colour of insulating material     | green/yellow |
| Connection direction              | top          |
| End plate required                | Yes          |
| Explosion-tested version "Ex e"   | Yes          |
| Installation advice               | TS 35        |
| Insulating material               | Wemid        |
| Levels cross-connected internally | No           |

**Additional technical data**

|                                                  |                   |
|--------------------------------------------------|-------------------|
| No. of identical terminals                       | 1                 |
| No. of levels                                    | 1                 |
| No. of terminal strips per level                 | 3                 |
| Open sides                                       | right             |
| Operating temperature range                      | - 50 °C, + 120 °C |
| Product family                                   | Z-series          |
| Type of connection                               | Clamped           |
| Type of mounting                                 | Snap-on           |
| UL 94 flammability rating of insulation material | V-0               |
| Version                                          | PE terminal       |

**CSA rating data**

|                          |        |
|--------------------------|--------|
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

**Conductors for clamping (additional connection)**

|                                              |                     |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm <sup>2</sup> |

**Conductors for clamping (rated connection)**

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| Clamping range, min.                                         | 0.05 mm <sup>2</sup>     |
| Clamping range, max.                                         | 4 mm <sup>2</sup>        |
| Type of connection                                           | Tension clamp connection |
| 2nd type of connection                                       | clamped                  |
| Connection direction                                         | top                      |
| No. of connections                                           | 3                        |
| Stripping length                                             | 10 mm                    |
| Blade size                                                   | 0.6 x 3.5 mm             |
| Gauge to IEC 60947-1                                         | A3                       |
| Solid, min.                                                  | 0.5 mm <sup>2</sup>      |
| Solid, max.                                                  | 4 mm <sup>2</sup>        |
| Flexible, min.                                               | 0.5 mm <sup>2</sup>      |
| Flexible, max.                                               | 4 mm <sup>2</sup>        |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>      |
| Flexible with ferrule, max. (DIN 46228/1)                    | 2.5 mm <sup>2</sup>      |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm <sup>2</sup>      |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm <sup>2</sup>      |
| AWG conductor size, min.                                     | AWG 30                   |
| AWG conductor size, max.                                     | AWG 12                   |
| AWG conductor size, min.                                     | 0.05 mm <sup>2</sup>     |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup>     |

**Dimensions**

|                          |         |
|--------------------------|---------|
| Width                    | 5.1 mm  |
| Height of lowest version | 39.5 mm |
| Length                   | 64.5 mm |
| TS 35 offset             | 32.5 mm |

**PE rating data**

|                                                      |                              |
|------------------------------------------------------|------------------------------|
| PEN function                                         | No                           |
| Pollution severity                                   | 3                            |
| Rated cross-section                                  | 2.5 mm <sup>2</sup>          |
| Rated impulse withstand voltage to adjacent terminal | 8 kV                         |
| Rated short-time current                             | 300 A (2.5 mm <sup>2</sup> ) |
| Rated voltage for adjacent terminal                  | 800 V                        |
| Standards                                            | IEC 60947-7-2                |

**UL rating data**

|                         |        |
|-------------------------|--------|
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

**Approvals**

Approvals institutes

**Downloads**

|      |                                      |
|------|--------------------------------------|
| STEP | 1608650000_20784_ZPE_2.5-3AN_STP.stp |
|------|--------------------------------------|

**Classifications**

|            |             |
|------------|-------------|
| eClass 4.1 | 27-14-03-05 |
| eClass 5.0 | 27-14-03-05 |
| eClass 5.1 | 27-14-03-05 |

**Similar products**

| Order No.  | Part designation | Version                                                                                    |
|------------|------------------|--------------------------------------------------------------------------------------------|
| 1690000000 | ZDK 2.5PE        | Earth terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green/yellow, TS 35 |
| 1608640000 | ZPE 2.5          | Earth terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green/yellow, TS 35 |
| 1608660000 | ZPE 2.5/4AN      | Earth terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green/yellow, TS 35 |