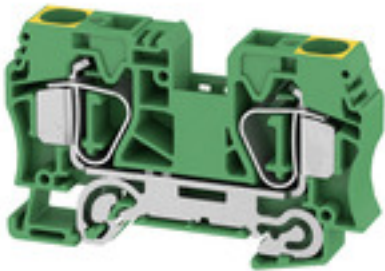


Data sheet

Z-series ZPE 16

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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

| | |
|------------|--|
| Type | ZPE 16 |
| Order No. | 1745250000 |
| Version | PE terminal, Tension-clamp connection, 16 mm ² , 1920 A (16 mm ²), Green/yellow |
| GTIN (EAN) | 4008 190996789 |
| Qty. | 25 pc(s). |

Creation date 22 April 2020 14:18:35 CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 12.1 mm | Width (inches) | 0.476 inch |
| Height | 82.5 mm | Height (inches) | 3.248 inch |
| Depth | 50.5 mm | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51.5 mm | Net weight | 48.672 g |

Temperatures

| | | | |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max. | 40 °C |
| Storage temperature, min. | 10 °C | Storage temperature | 10 °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) | KEMA99ATEX5514U | Certificate No. (IECEX) | IECEXULD05.0009U |
| Wire cross section max. (ATEX) | 16 mm ² | Wire cross section max. (IECEX) | 16 mm ² |
| 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 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | PEN function | Yes |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No | 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) | 4 AWG |
| Wire cross section min. (CSA) | 14 AWG | | |

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 25 mm ² |
| Clamping range, min. | 1.5 mm ² | Connection cross-section, stranded, max. | 25 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A7 | Number of connections | 2 |
| Stripping length | 18 mm | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 14 |
| Wire connection cross section, finely stranded, max. | 16 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm ² | Wire connection cross-section, finely stranded, min. | 1.5 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, min. | 1.5 mm ² |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|-----|
| Rated short-time current | 1920 A (16 mm ²) | PEN function | Yes |
|--------------------------|------------------------------|--------------|-----|

Rating data

| | | | |
|---|--------------------|--|---------|
| Rated cross-section | 16 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.42 mΩ |
| Power loss in accordance with IEC 60947-7-x | 2.43 W | Rated impulse withstand voltage to adjacent terminal | 8 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|-------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 6 AWG |
| Conductor size Factory wiring min. (cURus) | 14 AWG | Conductor size Field wiring max. (cURus) | 6 AWG |
| Conductor size Field wiring min. (cURus) | 14 AWG | | |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| eClass 9.0 | 27-14-11-41 | eClass 9.1 | 27-14-11-41 |
| eClass 10.0 | 27-14-11-41 | UNSPSC | 30-21-18-11 |

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

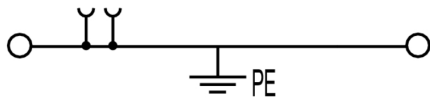
| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DE_PT1102_20160418_1382_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| Product Change Notification | PCN_ZPE_Q3_2020 PCN - EN PCN - DE |
| User Documentation | Cross Connection Guide StorageConditionsTerminalBlocks |

Safety note

Safety notice [Safety Information](#)

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ZPE 16**

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Drawings



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