

**Z-series
ZPE 6**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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 6 |
| Order No. | 1608670000 |
| Version | PE terminal, Tension clamp connection, 6 mm ² , 720 A (6 mm ²), green / yellow |
| GTIN (EAN) | 4008190259242 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 8.1 mm | Width (inches) | 0.319 inch |
| Height | 65 mm | Height (inches) | 2.559 inch |
| Depth | 45 mm | Depth (inches) | 1.772 inch |
| Depth including DIN rail | 45.5 mm | Net weight | 21.63 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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) | KEMA97ATEX2521U | Certificate No. (IECEX) | IECEXULD05.0009U |
| Wire cross section max. (ATEX) | 6 mm ² | Wire cross section max. (IECEX) | 6 mm ² |
| 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 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | Yes |
| Mounting 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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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|----------------------|---|--------------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 10 mm ² |
| Clamping range, min. | 0.22 mm ² | Connection cross-section, stranded, max. | 10 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A5 | Number of connections | 2 |
| Stripping length | 13 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 ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 10 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|-------|
| TS 35 offset | 39 mm |
|--------------|-------|

PE rating data

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

Rating data

| | | | |
|--|-------------------|--|---------|
| Rated cross-section | 6 mm ² | 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 | | |

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate DE_PT1102_20160418_1405_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | Cross Connection Guide |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Drawings

