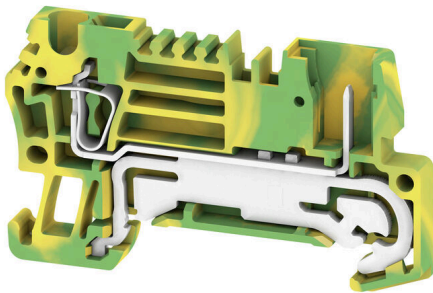


ZTPE 2.5/2AN/1**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

| | |
|------------|--|
| Version | Z-series, Plug-in modular terminals, Rated cross-section: 2.5 mm ² , Tension-clamp connection, Green/yellow |
| Order No. | 1815080000 |
| Type | ZTPE 2.5/2AN/1 |
| GTIN (EAN) | 4032248369997 |
| Qty. | 50 items |

ZTPE 2.5/2AN/1

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 34.5 mm | Depth (inches) | 1.3583 inch |
| Depth including DIN rail | 35 mm | Height | 58 mm |
| Height (inches) | 2.2835 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 10.12 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| Basic material | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|--|-----------------------------------|-------|
| Version | 1 tension-clamp connection - 1 plug-in connection, pluggable, With PE connection | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Levels cross-connected internally | No |
| PE connection | Yes | Mounting rail | TS 35 |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|------------------|---------|--------------------------|----|
| Open sides | right | Explosion-tested version | No |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-----------------------------------|----------------|-----------------------------------|--------|
| Voltage size C (cCSAus) | 300 V | Current size D (cCSAus) | 5 A |
| Wire cross section min. (cCSAusX) | 26 AWG | Current size C (cCSAus) | 20 A |
| Certificate number (cCSAus) | 154685-1460993 | Wire cross section max. (cCSAusX) | 12 AWG |
| Voltage size D (cCSAus) | 600 V | | |

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Technical data

Conductors for clamping (additional connection)

| | | | |
|---|---------------------|--|-----------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² | Connection type, additional connection | pluggable |
|---|---------------------|--|-----------|

Conductors for clamping (rated connection)

| | | | |
|---|--|---------|----------------------|
| Gauge to IEC 60947-1 | A2 | | |
| Wire connection cross section AWG, max. | AWG 26 | | |
| Connection direction | top | | |
| Stripping length | 10 mm | | |
| Type of connection | Tension-clamp connection | | |
| Number of connections | 2 | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.13 mm ² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 12 | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | |
| Connection cross-section, stranded, max. | 4 mm ² | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm ² |
| | | min. | 8 mm |
| | | max. | 12 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | nominal | 10 mm |

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Technical data

| | | |
|--|---------|----------------------|
| Cross-section for conductor connection | nominal | 0.75 mm ² |
| | nominal | 10 mm |
| Cross-section for conductor connection | nominal | 1 mm ² |
| | nominal | 10 mm |
| Cross-section for conductor connection | nominal | 1.5 mm ² |
| | min. | 10 mm |
| | max. | 12 mm |
| Cross-section for conductor connection | nominal | 2.5 mm ² |
| | min. | 10 mm |
| | max. | 12 mm |

General

| | | | |
|---|--------|---|--------|
| Wire connection cross section AWG, max. | AWG 26 | Wire connection cross section AWG, min. | AWG 12 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|--|---------------------|--|--------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 500 V | Max. voltage of clamp support & pluggable system | 690 V |
| Rated DC voltage | 500 V | Nominal current | 0 A |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-17 |
| ECLASS 15.0 | 27-25-01-17 | | |

Drawings

