

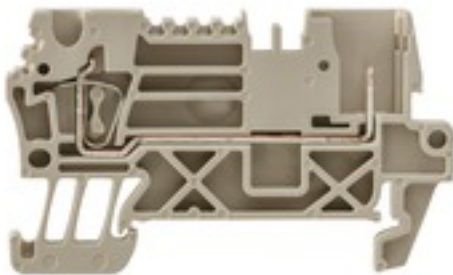
ZT 2.5/2AN/1**Weidmüller Interface GmbH & Co. KG**

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, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige |
| Order No. | 1815070000 |
| Type | ZT 2.5/2AN/1 |
| GTIN (EAN) | 4032248369980 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 34.5 mm | Depth (inches) | 1.358 inch |
| Depth including DIN rail | 35 mm | Height | 58 mm |
| Height (inches) | 2.283 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 5.78 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

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

Additional technical data

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

CSA rating data

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

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 | Plug-in connection |
|---|---------------------|--|--------------------|

Conductors for clamping (rated connection)

| | |
|-----------------------|----------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.13 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A2 |
| Number of connections | 2 |
| Stripping length | 10 mm |

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Technical data

| | | | | |
|---|---|--------------------------|----------------------|--|
| 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 | |
| | 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 | |
| | Type of connection | Tension-clamp connection | | |
| | Type of connection 2 | Plug-in connection | | |
| | Wire connection cross section AWG, max. | AWG 26 | | |
| Wire connection cross section AWG, min. | AWG 12 | | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | | |
| Wire connection cross section, finely stranded, min. | 0.5 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. | 0.5 mm ² | | | |
| 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. | 0.5 mm ² | | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | | |

General

| | | | |
|---|--------|---|----------------------------------|
| Rail | TS 35 | Standards | In accordance with IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 26 | Wire connection cross section AWG, min. | AWG 12 |

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Technical data

Rating data

| | | | |
|--|---------------------|---------------------------------|----------------------------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Max. voltage of clamp support & pluggable system | 690 V | Rated current | 24 A |
| Current at maximum wires | 24 A | Standards | In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Pollution severity | 3 |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Current size C (cURus) | 20 A |
| Current size D (cURus) | 5 A | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ECLASS 9.0 | 27-14-11-20 |
| ECLASS 9.1 | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate DNVGL certificate CB Testreport CB Certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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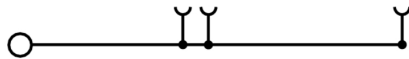
Data sheet

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Drawings



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