Data sheet

# ZTR 2.5-2/O.TNHE

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

### General ordering data

| | |
|---|---|
| Version | Test-disconnect terminal, Tension-clamp connection, 2.5 mm², 400 V, 10 A, Pivoting, dark beige |
| Order No. | 1779020000 |
| Type | ZTR 2.5-2/O.TNHE |
| GTIN (EAN) | 4032248184668 |
| Qty. | 50 items |

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## Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 43.5 mm | Depth (inches) | 1.7126 inch |
| Depth including DIN rail | 44 mm | Height | 50.5 mm |
| Height (inches) | 1.9882 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 6.6 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 | dark beige |
| UL 94 flammability rating | V-0 | | |

### System specifications

| | | | |
|---|---|---|---|
| Version | Tension-clamp connection, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

### Additional technical data

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

### CSA rating data

| | | | |
|---|---|---|---|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA) | 300 V |
| Current size C (CSA) | 10 A | Certificate No. (CSA) | 200039-1152892 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 10 A |
| Voltage size D (CSA) | 300 V | Current size D (CSA) | 10 A |
| Wire cross section min. (CSA) | 26 AWG | | |

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## Technical data

### Conductors for clamping (additional connection)

| | | | |
|---|---|---|---|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm² | Connection type, additional connection | Tension-clamp connection |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Gauge to IEC 60947-1 | A2 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | Inclined / angled | Stripping length | 10 mm |
| Type of connection 2 | Tension-clamp connection | Type of connection | Tension-clamp connection |
| Number of connections | 2 | Clamping range, max. | 2.5 mm² |
| Clamping range, min. | 0.13 mm² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm² | Wire connection cross section, finely stranded, max. | 2.5 mm² |
| Wire connection cross section, finely stranded, min. | 0.13 mm² | Connection cross-section, stranded, max. | 4 mm² |
| Connection cross-section, stranded, min. | 0.13 mm² | Wire connection cross-section, solid core, max. | 2.5 mm² |
| Wire connection cross-section, solid core, min. | 0.13 mm² | Connection cross-section, finely stranded, min. | 0.13 mm² |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 26 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 35 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 10 A |
| Current at maximum wires | 21 A | Standards | 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

| | | | |
|---|---|---|---|
| Conductor size Factory wiring max. (UR) | 12 AWG | Current size D (UR) | 10 A |
| Conductor size Factory wiring min. (UR) | 26 AWG | Certificate No. (UR) | E60693 |
| Conductor size Field wiring min. (UR) | 26 AWG | Voltage size D (UR) | 300 V |
| Conductor size Field wiring max. (UR) | 12 AWG | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000902 | ETIM 7.0 | EC000902 |
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |

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## Technical data

| | | | |
|---|---|---|---|
| ETIM 10.0 | EC000902 | ECLASS 9.0 | 27-14-11-26 |
| ECLASS 9.1 | 27-14-11-26 | ECLASS 10.0 | 27-14-11-26 |
| ECLASS 11.0 | 27-14-11-26 | ECLASS 12.0 | 27-14-11-26 |
| ECLASS 13.0 | 27-25-01-09 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

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## Drawings

