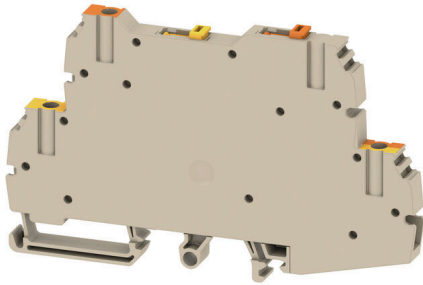


WDTR 2.5/WE**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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, Screw connection, dark beige, 2.5 mm ² , 17 A, 500 V, Number of connections: 3, Number of levels: 2 |
| Order No. | 2456020000 |
| Type | WDTR 2.5/WE |
| GTIN (EAN) | 4050118515268 |
| Qty. | 25 items |

WDTR 2.5/WE

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 65 mm | Depth (inches) | 2.5591 inch |
| Height | 94 mm | Height (inches) | 3.7008 inch |
| Width | 6.15 mm | Width (inches) | 0.2421 inch |
| Net weight | 23.53 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

Material data

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

System specifications

| | | | |
|-----------------------------------|----|-------------------------------------|--------------|
| End cover plate required | No | Number of potentials | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 32, TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

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

CSA rating data

| | | | |
|--|-----------|--|--------|
| Conductor size Factory wiring min. (CSA) | 26 AWG | Conductor size Field wiring max. (CSA) | 12 AWG |
| Certificate No. (CSA) | 12400-377 | Voltage size B (CSA) | 300 V |
| Conductor size Factory wiring max. (CSA) | 12 AWG | Conductor size Field wiring min. (CSA) | 26 AWG |
| Current size B (CSA) | 17 A | Voltage size D (CSA) | 300 V |
| Current size D (CSA) | 10 A | | |

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|----------------------|
| Gauge to IEC 60947-1 | A3 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side | Tightening torque, max. | 0.6 Nm |
| Tightening torque, min. | 0.5 Nm | Stripping length | 8 mm |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 3 | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.05 mm ² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 30 | 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. | 0.05 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. | 0.05 mm ² | Wire connection cross section, finely stranded, max. | 2.5 mm ² |
| Wire connection cross section, finely stranded, min. | 0.05 mm ² | Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. 0.05 mm ² | | Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.05 mm ² | Connection cross-section, finely stranded, min. | 0.05 mm ² |

General

| | | | |
|---|---------------|---|--------------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 32, TS 35 |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Nominal current | 17 A |
| Current at maximum wires | 17 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 | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) 30 AWG | | Conductor size Factory wiring min. (cURus) | 30 AWG |
| Current size B (cURus) | 20 A | Voltage size C (cURus) | 150 V |
| Current size C (cURus) | 20 A | Current size D (cURus) | 10 A |
| Conductor size Field wiring max. (cURus) 12 AWG | | | |

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

Drawings

