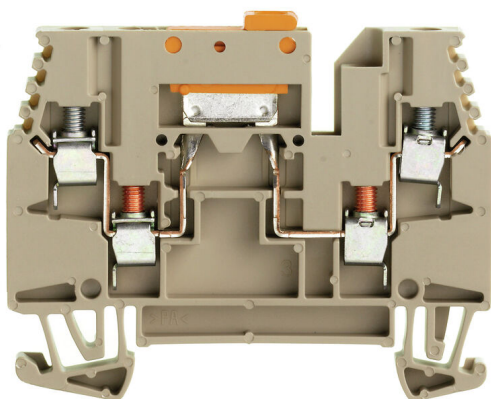


**WTR 2.5/ZZ****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Screw connection, dark beige, 2.5 mm <sup>2</sup> , 16 A, 400 V, Number of connections: 4, Number of levels: 1 |
| Order No.  | <a href="#">1039900000</a>                                                                                                               |
| Type       | WTR 2.5/ZZ                                                                                                                               |
| GTIN (EAN) | 4008190912468                                                                                                                            |
| 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                    | 46.5 mm     | Depth (inches) | 1.8307 inch |
| Depth including DIN rail | 47 mm       | Height         | 60 mm       |
| Height (inches)          | 2.3622 inch | Width          | 5.1 mm      |
| Width (inches)           | 0.2008 inch | Net weight     | 6.53 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                                 | f92ee310-1e24-42d5-9b63-f4a42add4010 |

## Material data

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

## System specifications

|                                     |                                                                                                   |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Twin connection, Screw connection, Spacer, 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 | 4                                                                                                 | 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 | Number of similar terminals | 1       |
| Explosion-tested version | No    | Type of mounting            | Snap-on |

## CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 154685-1152890 |
| 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)

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.                                                                 | 1 Nm                 |
| Tightening torque, min.                                                                 | 0.5 Nm               | Stripping length                                                                        | 7 mm                 |
| Type of connection 2                                                                    | Screw connection     | Type of connection                                                                      | Screw connection     |
| Number of connections                                                                   | 4                    | Clamping range, max.                                                                    | 4 mm <sup>2</sup>    |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Clamping screw                                                                          | M 3                  |
| 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. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 0.13 mm <sup>2</sup> |
| Torque level with DMS electric screwdriver                                              | 2                    | Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    |
| Wire connection cross-section, solid core, min.                                         | 0.13 mm <sup>2</sup> | Connection cross-section, finely stranded, min.                                         | 0.13 mm <sup>2</sup> |

## Dimensions

TS 35 offset 35.5 mm

## General

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

## Rating data

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated DC voltage                | 400 V               | Nominal current                              | 16 A    |
| Current at maximum wires        | 16 A                | 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

|                                         |        |                      |        |
|-----------------------------------------|--------|----------------------|--------|
| Voltage size B (UR)                     | 300 V  | Current size B (UR)  | 10 A   |
| 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)   | 22 AWG | Voltage size D (UR)  | 300 V  |
| Conductor size Field wiring max. (UR)   | 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**

