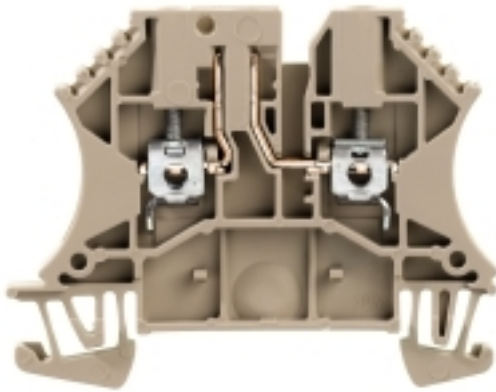


**W-Series**  
**WTR 2.5/O.TNHE**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com


**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |  |
|------------|--|
| Type       | WTR 2.5/O.TNHE   |
| Order No.  | <a href="#">8731700000</a>   |
| Version    | Test-disconnect terminal, Screw connection, 2.5 mm <sup>2</sup> , 500 V, 24 A, without, Dark Beige |
| GTIN (EAN) | 4032248404889  |
| Qty.       | 100 pc(s).   |

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**Technical data**
**Dimensions and weights**

|                          |        |                 |            |
|--------------------------|--------|-----------------|------------|
| Width                    | 5.1 mm | Width (inches)  | 0.201 inch |
| Height                   | 60 mm  | Height (inches) | 2.362 inch |
| Depth                    | 48 mm  | Depth (inches)  | 1.89 inch  |
| Depth including DIN rail | 49 mm  | Net weight      | 7.64 g     |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                               |  |  |              |
|-------------------------------|--|--|--------------|
| Version                       | Screw connection, for plug-in cross-connector, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.4...0.8 Nm |
| End cover plate required      | Yes  | Number of potentials                                     | 1            |
| Number of levels              | 1  | No. 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   |  |              |

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.   | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> |

**Additional technical data**

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

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 154685-1152890 | Current size C (CSA)          | 10 A   |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

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**Technical data****Conductors for clamping (rated connection)**

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm         | Clamping range, rated connection, max.  | 4 mm <sup>2</sup>   |
| Clamping range, rated connection, min.  | 0.05 mm <sup>2</sup> | Clamping screw  | M 2.5               |
| Connection direction  | on side              | Gauge to IEC 60947-1  | A3                  |
| Number of connections   | 2                    | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.8 Nm               | Tightening torque, min.   | 0.4 Nm              |
| Torque level with DMS electric screwdriver  | 1                    | Type of connection  | Screw connection    |
| Wire connection cross section AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 30              |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.  | 4 mm <sup>2</sup>    | Wire connection cross section, solid core max. rated connection   | 4 mm <sup>2</sup>   |
| Wire connection cross section, solid core, min. rated connection  | 0.5 mm <sup>2</sup>  | Wire connection cross section, stranded, rated connection, max.   | 4 mm <sup>2</sup>   |
| Wire connection cross section, stranded, rated connection, min.   | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded, min.  | 0.5 mm <sup>2</sup> |

**Dimensions**

|              |       |
|--------------|-------|
| TS 35 offset | 30 mm |
|--------------|-------|

**Disconnect terminals**

|                  |         |                      |    |
|------------------|---------|----------------------|----|
| Cross-disconnect | without | Integral test socket | No |
| Slitting         | without |                      |    |

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV                | Pollution severity                           | 3       |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 30 AWG | Current size C (UR)                     | 20 A   |
| Voltage size C (UR)                     | 600 V  |   |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000902    | ETIM 4.0   | EC000902    |
| ETIM 5.0   | EC000902    | ETIM 6.0   | EC000902    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-26 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-26 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-26 |            |             |

**Product information**

|                                 |  |
|---------------------------------|--|
| Descriptive text technical data | 2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, only with order No. 1333 100000 (QTY 500). |
| Descriptive text accessories    | Cross-connections, see section "W series accessories".   |

Creation date January 17, 2018 10:07:23 AM CET

**Data sheet****W-Series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1002_20160418_1024_ISSUE01.pdf</a><br><a href="#">CFAT_WTR_2.5_a</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>  |
| User Documentation                          | <a href="#">NTI_Ex_nA_WTR_2.5.pdf</a>   |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|