

**W-Series  
WDTR 2.5 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Product image****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       | WDTR 2.5 BL                                                                      |
| Order No.  | <a href="#">9528080000</a>                                                       |
| Version    | Test-disconnect terminal, Screw connection, 2.5 mm², 400 V, 10 A, Pivoting, blue |
| GTIN (EAN) | 4008190349806                                                                    |
| Qty.       | 25 pc(s).                                                                        |

**W-Series**  
**WDTR 2.5 BL**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 6.2 mm  | Width (inches)  | 0.244 inch |
| Height                   | 94 mm   | Height (inches) | 3.701 inch |
| Depth                    | 67 mm   | Depth (inches)  | 2.638 inch |
| Depth including DIN rail | 69.5 mm | Weight          | 9.99 g     |
| Net weight               | 26.97 g |                 |            |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C        |                                  |        |

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Material data**

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Material                  | Wemid | Colour | blue |
| UL 94 flammability rating | V-0   |        |      |

**System specifications**

|                                     |                                                               |                               |     |
|-------------------------------------|---------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, Spacer,<br>With sockets, in closed<br>state | End cover plate required      | No  |
| Number of potentials                | 2                                                             | Number of levels              | 2   |
| Number of clamping points per level | 2                                                             | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                            | PE connection                 | No  |
| Rail                                | TS 35                                                         | N-function                    | Yes |
| PE function                         | No                                                            | PEN function                  | No  |

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

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

**Additional technical data**

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Explosion-tested version | No     | Number of similar terminals | 1       |
| Open sides               | closed | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 154685-1152890 | Current size B (CSA)          | 10 A   |
| Current size D (CSA)          | 10 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

**W-Series**  
**WDTR 2.5 BL**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 4                    | Stripping length                                                                        | 8 mm                |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.5 Nm              |
| Torque level with DMS electric screwdriver                                              | 2                    | 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, max.                                    | 2.5 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. | 0.5 mm <sup>2</sup>  | 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. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**Disconnect terminals**

|                  |          |                      |     |
|------------------|----------|----------------------|-----|
| Cross-disconnect | without  | Integral test socket | Yes |
| Slitting         | Pivoting |                      |     |

**Rating data**

|                                             |                     |                                              |         |
|---------------------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated current                               | 10 A                | Current at maximum wires                     | 14 A    |
| Standards                                   | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W              | Rated impulse withstand voltage              | 4 kV    |
| Pollution severity                          | 3                   |                                              |         |

**UL rating data**

|                                         |        |                                            |        |
|-----------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Certificate No. (cURus)                    | E60693 |
| Conductor size Factory wiring max. (UR) | 12 AWG | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Factory wiring min. (cURus) | 30 AWG |
| Conductor size Field wiring max. (UR)   | 12 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Conductor size Field wiring min. (cURus)   | 30 AWG |
| Current size B (cURus)                  | 20 A   | Current size C (UR)                        | 10 A   |
| Current size C (cURus)                  | 20 A   | Current size D (cURus)                     | 10 A   |
| Voltage size B (cURus)                  | 300 V  | Voltage size C (UR)                        | 300 V  |
| Voltage size C (cURus)                  | 150 V  | Voltage size D (cURus)                     | 300 V  |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0   | EC000902    |
| eClass 9.0  | 27-14-11-26 | eClass 9.1 | 27-14-11-26 |
| eClass 10.0 | 27-14-11-26 | UNSPSC     | 30-21-18-11 |

Creation date August 7, 2020 12:38:23 AM CEST

## W-Series WDTR 2.5 BL

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

|                                             |                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DE_PT1002_20160414_111_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                          |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                     |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                         |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                              |

### Safety note

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

**Data sheet****W-Series  
WDTR 2.5 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**