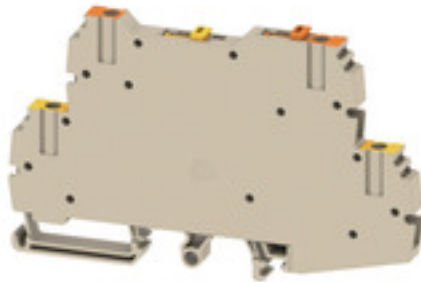


**WDTR 2.5 O.STB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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, 2.5 mm <sup>2</sup> , 500 V, 17 A, Pivoting, Cross-disconnect: without, TS 32, TS 35, dark beige |
| Order No.  | <a href="#">2456030000</a>   |
| Type       | WDTR 2.5 O.STB   |
| GTIN (EAN) | 4050118515282  |
| Qty.       | 25 pc(s).  |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 65 mm    | Depth (inches)  | 2.559 inch |
| Height     | 94 mm    | Height (inches) | 3.701 inch |
| Width      | 6.15 mm  | Width (inches)  | 0.242 inch |
| Net weight | 22.721 g |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | 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**

|                                   |    |                                     |              |
|-----------------------------------|----|-------------------------------------|--------------|
| 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 | Rail                                | TS 32, TS 35 |
| N-function                        | No | PE function                         | No           |
| PEN function                      | No |                                     |              |

**Additional technical data**

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

**CSA rating data**

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

**Conductors for clamping (additional connection)**

|  |                  |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

## WDTR 2.5 O.STB

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## 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> | 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               | Type of connection  | Screw connection    |
| Type of connection 2  | 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, min.                                    | 0.5 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, 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 | Slitting | Pivoting |
|------------------|---------|----------|----------|

## General

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

## Rating data

|  |                     |                                 |               |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 500 V         |
| Rated DC voltage                             | 500 V               | Rated 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              | Pollution severity              | 3             |
| Surge voltage category                       | III                 |                                 |               |

## UL rating data

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

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

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

**Approvals**

Approvals



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

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

### WDTR 2.5 O.STB

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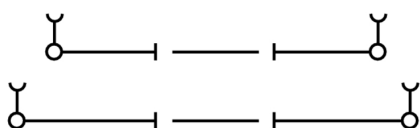
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Germany

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## Drawings



## WDTR 2.5 O.STB

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## Accessories

## BE6.3 bits - slotted

1/4" hexagon drive to DIN 3126, form E6.3 for direct machine connection

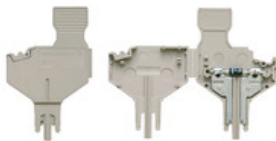
Slot-head bits DIN 5264, 1/4" drive, E6.3 DIN 3126



## General ordering data

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | BIT E6.3Z 0.6X3.5X70       | Version                         |
| Order No.  | <a href="#">9205670000</a> | Accessories, Screwdriver insert |
| GTIN (EAN) | 4032248772971              |                                 |
| Qty.       | 5 pc(s).                   |                                 |

## Component plugs



The component plug is used to integrate an electrical component in a disconnect terminal block. After soldering the electronic component, the plug can be integrated into the disconnection area of our disconnect terminal blocks and thus changes the disconnect terminal block into a modular terminal block with integrated electronic component.

## General ordering data

|            |                            |                                   |
|------------|----------------------------|-----------------------------------|
| Type       | BEST/D                     | Version                           |
| Order No.  | <a href="#">1878560000</a> | Accessories, Component plug, 1 A  |
| GTIN (EAN) | 4032248471492              |                                   |
| Qty.       | 50 pc(s).                  |                                   |
| Type       | BEST/DRBR                  | Version                           |
| Order No.  | <a href="#">1878570000</a> | Accessories, Component plug, 22 A |
| GTIN (EAN) | 4032248471508              |                                   |
| Qty.       | 50 pc(s).                  |                                   |
| Type       | BEST                       | Version                           |
| Order No.  | <a href="#">1833100000</a> | Accessories, Component plug       |
| GTIN (EAN) | 4032248501014              |                                   |
| Qty.       | 50 pc(s).                  |                                   |

## WDTR 2.5 O.STB

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## Accessories

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/6 MC NE WS           | Version   |
| Order No.  | <a href="#">1609820000</a> | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

## Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDIZ 0.6X3.5X100           | Version   |
| Order No.  | <a href="#">9008450000</a> | Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4032248056446              | thickness (A): 0.6 mm   |
| Qty.       | 1 pc(s).                   |   |

## WDTR 2.5 O.STB

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## Accessories

## DEK 5/6



## WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

## Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | DEK 5/6 MM WS              | Version  |
| Order No.  | <a href="#">2007120000</a> | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104              |  |
| Qty.       | 600 pc(s).                 |  |

## Switch lock



## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | DTLE 2.5/4                 | Version                                |
| Order No.  | <a href="#">2910530000</a> | Locking element (terminal), Wemid, red |
| GTIN (EAN) | 4099986519466              |  |
| Qty.       | 25 pc(s).                  |  |



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## Accessories

## Test plugs



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

|            |                            |                                |
|------------|----------------------------|--------------------------------|
| Type       | PS 2.3 RT                  | Version                        |
| Order No.  | <a href="#">0180400000</a> | Test adapter (terminal), 20 mA |
| GTIN (EAN) | 4008190060121              |                                |
| Qty.       | 20 pc(s).                  |                                |

## WS 8/5



## WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

## Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | WS 8/5 MM WS               | Version   |
| Order No.  | <a href="#">2007150000</a> | WS, Terminal marker, 8 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392029              |   |
| Qty.       | 800 pc(s).                 |   |

## WDTR 2.5 O.STB

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## Accessories

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |

## W-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | WEW 35/1                   | Version  |
| Order No.  | <a href="#">1059000000</a> | End bracket, Wemid, dark beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190172282              |  |
| Qty.       | 50 pc(s).                  |  |

## WDTR 2.5 O.STB

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## Accessories

1.5 mm<sup>2</sup>

Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | VQB 1.5/50 SW              | Version   |
| Order No.  | <a href="#">1635120000</a> | Cross-connector (terminal), when screwed in, Number of poles: 50, |
| GTIN (EAN) | 4008190262761              | Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, black              |
| Qty.       | 5 pc(s).                   |   |
| Type       | VQB 1.5/50 RT              | Version   |
| Order No.  | <a href="#">1633290000</a> | Cross-connector (terminal), when screwed in, Number of poles: 50, |
| GTIN (EAN) | 4008190257750              | Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, red                |
| Qty.       | 5 pc(s).                   |   |
| Type       | VQB 1.5/50 BL              | Version   |
| Order No.  | <a href="#">1633280000</a> | Cross-connector (terminal), when screwed in, Number of poles: 50, |
| GTIN (EAN) | 4008190257743              | Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, blue               |
| Qty.       | 5 pc(s).                   |   |

## Fuse holder



The fuse holder SIHA quickly turns a disconnect terminal into a fuse terminal: simply remove the disconnect lever and attach the fuse unit.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SIHA 3/G20/LD 35-70V       | Version   |
| Order No.  | <a href="#">7921580000</a> | Fuse holder for feed-through modular terminal, 2.31 mA, pluggable |
| GTIN (EAN) | 4032248322619              |   |
| Qty.       | 25 pc(s).                  |   |
| Type       | SIHA 3/G20/LD 10-36V BL    | Version   |
| Order No.  | <a href="#">1005250000</a> | Fuse holder for feed-through modular terminal, 2.31 A, pluggable  |
| GTIN (EAN) | 4032248712038              |   |
| Qty.       | 25 pc(s).                  |   |
| Type       | SIHA 3/G20/LD 60-150V      | Version   |
| Order No.  | <a href="#">7921590000</a> | Fuse holder for feed-through modular terminal, 2.31 mA, pluggable |
| GTIN (EAN) | 4032248322626              |   |
| Qty.       | 25 pc(s).                  |   |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | SIHA 3/G20/LD 140-250V     | Version   |
| Order No.  | <a href="#">7921600000</a> | Fuse holder for feed-through modular terminal, 2.31 mA, pluggable |
| GTIN (EAN) | 4032248322633              |   |
| Qty.       | 25 pc(s).                  |   |
| Type       | SIHA 3/G20 BL              | Version   |
| Order No.  | <a href="#">1004260000</a> | Fuse holder for feed-through modular terminal, pluggable          |
| GTIN (EAN) | 4032248709717              |   |
| Qty.       | 25 pc(s).                  |   |
| Type       | SIHA 3/G20                 | Version   |
| Order No.  | <a href="#">7926190000</a> | Fuse holder for feed-through modular terminal, pluggable          |
| GTIN (EAN) | 4032248264612              |   |
| Qty.       | 1.000 pc(s).               |   |
| Type       | SIHA 3/G20                 | Version   |
| Order No.  | <a href="#">7921560000</a> | Fuse holder for feed-through modular terminal, pluggable          |
| GTIN (EAN) | 4032248264643              |   |
| Qty.       | 25 pc(s).                  |   |
| Type       | SIHA 3/G20/LD 10-36V       | Version   |
| Order No.  | <a href="#">7921570000</a> | Fuse holder for feed-through modular terminal, 2.31 mA, pluggable |
| GTIN (EAN) | 4032248322503              |   |
| Qty.       | 25 pc(s).                  |   |

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | WS 8/5 MC NE WS            | Version   |
| Order No.  | <a href="#">1640740000</a> | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190279103              | Allen-Bradley, white  |
| Qty.       | 720 pc(s).                 |   |