

## WDTR 2.5 O.STB

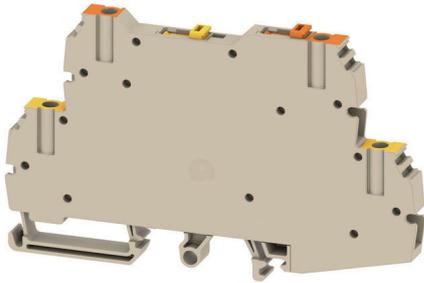
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 17 A, 500 V, Number of connections: 4, Number of levels: 2
Order No.	<a href="#">2456030000</a>
Type	WDTR 2.5 O.STB
GTIN (EAN)	4050118515282
Qty.	25 items

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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	22.72 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 without exemption
REACH SVHC	No SVHC above 0.1 wt%

## 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		

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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**Technical data**

**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	4	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	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 <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 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.	0.05 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.05 mm <sup>2</sup>	Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.05 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.05 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.05 mm <sup>2</sup>

**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 <sup>2</sup>	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		

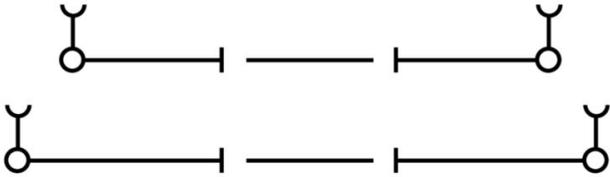
**UL rating data**

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		

**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



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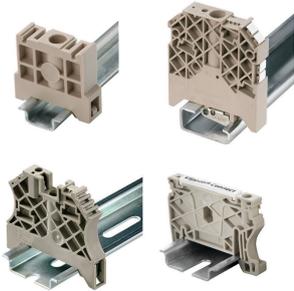
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## Accessories

### End bracket



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, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C	
GTIN (EAN)	4008190172282		
Qty.	50 ST		

### 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 thickness (A): 0.6 mm	
GTIN (EAN)	4032248056446		
Qty.	1 ST		

### 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.

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## Accessories

### 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.	1000 ST	
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 ST	

### Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### General ordering data

Type	VQB 1.5/50 RT	Version
Order No.	<a href="#">1633290000</a>	Cross-connector (terminal), when screwed in, red, 17.5 A, Number of
GTIN (EAN)	4008190257750	poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	
Type	VQB 1.5/50 SW	Version
Order No.	<a href="#">1635120000</a>	Cross-connector (terminal), when screwed in, black, 17.5 A, Number
GTIN (EAN)	4008190262761	of poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	
Type	VQB 1.5/50 BL	Version
Order No.	<a href="#">1633280000</a>	Cross-connector (terminal), when screwed in, blue, 17.5 A, Number of
GTIN (EAN)	4008190257743	poles: 50, Pitch in mm (P): 6.20, Insulated: Yes, Width: 4.2 mm
Qty.	5 ST	

### 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 ST	

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## Accessories

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

### 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 ST		

### 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 ST		

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## Accessories

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## WS 8/5



## WS/ DEK

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- Continuous strips save installation time
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- 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 ST		

## Testadapter and testsockets



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), 230 V, 20 mA
GTIN (EAN)	4008190060121		
Qty.	20 ST		

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

## 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	Version	
Order No.	<a href="#">7921560000</a>	Fuse holder for feed-through modular terminal, black, 6.3 A, pluggable, V-O, Wemid	
GTIN (EAN)	4032248264643		
Qty.	25 ST		
Type	SIHA 3/G20/LD 60-150V	Version	
Order No.	<a href="#">7921590000</a>	Fuse holder for feed-through modular terminal, black, 2.31 mA, pluggable, V-O, Wemid	
GTIN (EAN)	4032248322626		
Qty.	25 ST		
Type	SIHA 3/G20/LD 35-70V	Version	
Order No.	<a href="#">7921580000</a>	Fuse holder for feed-through modular terminal, black, 2.31 mA, pluggable, V-O, Wemid	
GTIN (EAN)	4032248322619		
Qty.	25 ST		

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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, black, 2.31 mA,
GTIN (EAN)	4032248322633	pluggable, V-0, Wemid
Qty.	25 ST	
Type	SIHA 3/G20/LD 10-36V BL	Version
Order No.	<a href="#">1005250000</a>	Fuse holder for feed-through modular terminal, blue, 2.31 A,
GTIN (EAN)	4032248712038	pluggable, V-0, Wemid
Qty.	25 ST	
Type	SIHA 3/G20/LD 10-36V	Version
Order No.	<a href="#">7921570000</a>	Fuse holder for feed-through modular terminal, black, 2.31 mA,
GTIN (EAN)	4032248322503	pluggable, V-0, Wemid
Qty.	25 ST	
Type	SIHA 3/G20 BL	Version
Order No.	<a href="#">1004260000</a>	Fuse holder for feed-through modular terminal, blue, 6.3 A, pluggable,
GTIN (EAN)	4032248709717	V-0, Wemid
Qty.	25 ST	
Type	SIHA 3/G20	Version
Order No.	<a href="#">7926190000</a>	Fuse holder for feed-through modular terminal, black, 6.3 A,
GTIN (EAN)	4032248264612	pluggable, V-0, Wemid
Qty.	1000 ST	

## Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

## 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 ST	