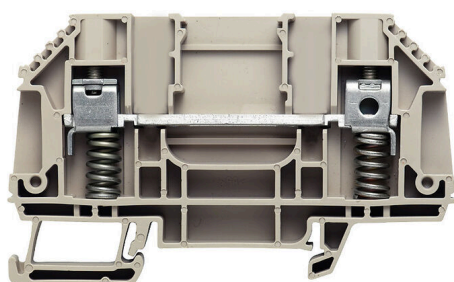# WTD 6 SL O.STB

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 6 mm², 41 A, 630 V, Number of connections: 2
Order No.	1238920000
Type	WTD 6 SL O.STB
GTIN (EAN)	4050118032192
Qty.	50 items

Data sheet

WTD 6 SL O.STB

Weidmüller Interface GmbH & Co. KG
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Technical data

Approvals

Approvals	CE KEMA EUR UKCA
ROHS	Conform

Dimensions and weights

Depth	50 mm	Depth (inches)	1.9685 inch
Depth including DIN rail	50.5 mm	Height	82.7 mm
Height (inches)	3.2559 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	19.68 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

Version	Screw connection, with spring-loaded cable clamp, With sockets, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number 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

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 10
Connection direction	on side	Tightening torque, max.	1.6 Nm

Creation date 21.12.2025 06:00:21 MEZ

Catalogue status / Drawings

WTD 6 SL O.STB

Technical data

Tightening torque, min.	0.8 Nm	Stripping length	16 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	6 mm²	Clamping range, min.	0.5 mm²
Clamping screw	M 3.5	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 20	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	6 mm²
Wire connection cross-section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0.5 mm²	Connection cross-section, finely stranded, min.	0.5 mm²

General

|			
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 20
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage	630 V
Rated DC voltage	630 V	Nominal current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Power loss in accordance with IEC 60947-7-x	1.31 W
Surge voltage category	III	Pollution severity	2

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		
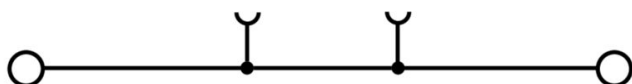
Creation date 21.12.2025 06:00:21 MEZ

WTD 6 SL O.STB

Drawings

Accessories

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	WQV 6/2	Version	
Order No.	1052360000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of	
GTIN (EAN)	4008190075866	poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm	
Qty.	50 ST		
Type	WQV 6/3	Version	
Order No.	1054760000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of	
GTIN (EAN)	4008190174163	poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm	
Qty.	50 ST		
Type	WQV 6/4	Version	
Order No.	1054860000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of	
GTIN (EAN)	4008190180799	poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm	
Qty.	50 ST		
Type	WQV 6/10	Version	
Order No.	1052260000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of	
GTIN (EAN)	4008190153977	poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm	
Qty.	20 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	GWHUE M3 WTL6	Version	
Order No.	1255010000	Connecting sleeve (terminal), when screwed in, Width: 6 mm, Height:	
GTIN (EAN)	4050118075892	6 mm, Depth: 13.3 mm, Number of poles: 1, Copper - zinc	
Qty.	50 ST		

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Weidmüller ⋲⋲

Accessories

End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP WTL6 SL	Version	
Order No.	9538110000	End plate for terminals, dark beige, Height: 82.2 mm, Width: 1.5 mm,	
GTIN (EAN)	4008190574994	V-0, Wemid, Snap-on: No	
Qty.	20 ST		

Accessorie

Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	WAP WTL6 SL 4-6	Version	
Order No.	1238880000	End plate for terminals, dark beige, Height: 82.2 mm, Width: 1.5 mm,	
GTIN (EAN)	4050118045680	V-0, Wemid, Snap-on: No	
Qty.	20 ST		

End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| Type	WTW EN	Version	
Order No.	1058800000	Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm,	
GTIN (EAN)	4008190140175	V-0, Wemid	
Qty.	20 ST		

Accessories

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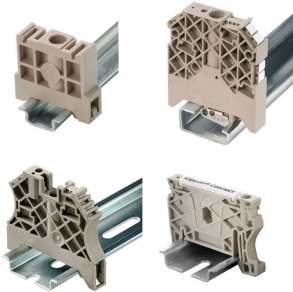
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/2	Version	
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190030230		
Qty.	50 ST		

Hook-type cable lugs
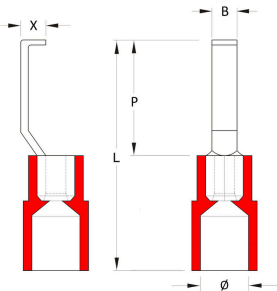
The use of insulated connectors guarantees users a permanent and consistent quality for their electrical connections.
In addition, they bring advantages during installation.

General ordering data

Type	HBT 1,5 - 4,6 RT	Version	
Order No.	1233340000	cable lug, terminal end,Insulated cable connector,1.5 mm²,1.5 mm² -	
GTIN (EAN)	4050118210972	4.6 mm²,red	
Qty.	100 ST		
Type	HBT 2,5 - 4,6 BL	Version	
Order No.	1233330000	cable lug, terminal end,Insulated cable connector,2.5 mm²,2.5 mm² -	
GTIN (EAN)	4050118016901	4.6 mm²,blue	
Qty.	100 ST		
Type	HBT 6,0 - 4,6 GE	Version	
Order No.	1216230000	cable lug, terminal end,Insulated cable connector,4.6 mm²,4.6 mm² -	
GTIN (EAN)	4050118000337	6 mm²,yellow	
Qty.	100 ST		

WTD 6 SL O.STB

Accessories

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 12/6.5 MC NE WS	Version
Order No.	1609920000	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 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	WQV 10/2	Version
Order No.	1052560000	Cross-connector (terminal), when screwed in, yellow, 76 A, Number of
GTIN (EAN)	4008190154943	poles: 2, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/3	Version
Order No.	1054960000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190079079	poles: 3, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/4	Version
Order No.	1055060000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190188245	poles: 4, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/10	Version
Order No.	1052460000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190152130	poles: 10, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	20 ST	

WTD 6 SL O.STB

## Accessories
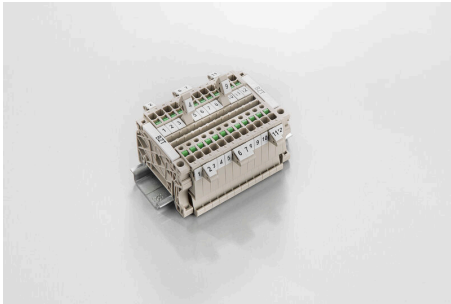
Marker holder

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 snaped 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.	1805490000	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		

WS 12/6.5
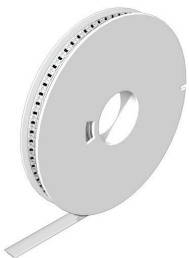
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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 12/6.5 MM WS	Version	
Order No.	2619930000	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white	
GTIN (EAN)	4050118626155		
Qty.	600 ST		