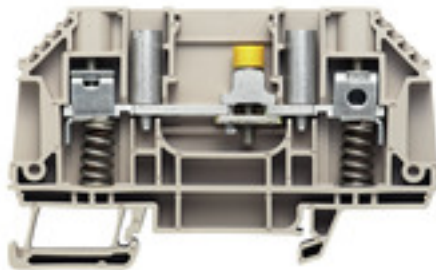**Weidmüller** ⟩Ɛ

WTL 6 SL

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	W-Series, Test-disconnect terminal, Rated cross-section: 6 mm², Screw connection
Order No.	1161690000
Type	WTL 6 SL
GTIN (EAN)	4032248950812
Qty.	50 pc(s).

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WTL 6 SL

Technical data

Dimensions and weights

Depth	50 mm	Depth (inches)	1.969 inch
Depth including DIN rail	50.5 mm	Height	82.7 mm
Height (inches)	3.256 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	29.46 g

Temperatures

Storage temperature	-25 °C...55 °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	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Special terminal longitudinal isolator, 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
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm	Clamping range, max.	6 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	6 mm²	Connection direction	on side
Gauge to IEC 60947-1	A5	Number of connections	2
Stripping length	16 mm	Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm	Type of connection	Screw connection
Wire connection cross section, finely stranded, max.	6 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, solid core, max.	6 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Dimensions

TS 35 offset	32 mm

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WTL 6 SL

Technical data

Disconnect terminals

Cross-disconnect	without	Slitting	sliding
Torque max. screw separator	0.7 Nm	Torque min. screw separator	0.5 Nm

General

Rail	TS 35	Standards	IEC 60947-7-1

Rating data

Rated cross-section	6 mm²	Rated voltage	630 V
Rated 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
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	2	Surge voltage category	III

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	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		

Approvals

Approvals	C E EAC
ROHS	Conform

Downloads

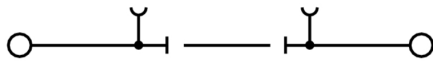|	
Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

WTL 6 SL

Drawings

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WTL 6 SL

Accessories

6 mm²

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 6/5	Version	
Order No.	1062660000	W-Series, Cross-connector, For the terminals, Number of poles: 5	
GTIN (EAN)	4008190176914		
Qty.	50 pc(s).		
Type	WQV 6/12	Version	
Order No.	1062720000	W-Series, Cross-connector, For the terminals, Number of poles: 12	
GTIN (EAN)	4050118259391		
Qty.	50 pc(s).		
Type	WQV 6/2	Version	
Order No.	1052360000	W-Series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4008190075866		
Qty.	50 pc(s).		
Type	WQV 6/10	Version	
Order No.	1052260000	W-Series, Cross-connector, For the terminals, Number of poles: 10	
GTIN (EAN)	4008190153977		
Qty.	20 pc(s).		
Type	WQV 6/6	Version	
Order No.	1062670000	W-Series, Cross-connector, For the terminals, Number of poles: 6	
GTIN (EAN)	4008190261771		
Qty.	50 pc(s).		
Type	WQV 6/7	Version	
Order No.	1062680000	W-Series, Cross-connector, For the terminals, Number of poles: 7	
GTIN (EAN)	4008190261788		
Qty.	50 pc(s).		
Type	WQV 6/3	Version	
Order No.	1054760000	W-Series, Cross-connector, For the terminals, Number of poles: 3	
GTIN (EAN)	4008190174163		
Qty.	50 pc(s).		
Type	WQV 6/4	Version	
Order No.	1054860000	W-Series, Cross-connector, For the terminals, Number of poles: 4	
GTIN (EAN)	4008190180799		
Qty.	50 pc(s).		

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Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com

## Accessories

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 pc(s).		

10 mm²
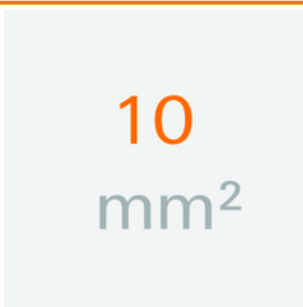
Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 10/5	Version	
Order No.	2091130000	W-Series, Cross-connector, For the terminals, Number of poles: 5	
GTIN (EAN)	4008190215903		
Qty.	20 pc(s).		
Type	WQV 10/6	Version	
Order No.	2226500000	W-Series, Cross-connector, For the terminals, Number of poles: 6	
GTIN (EAN)	4032248793761		
Qty.	20 pc(s).		

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Accessories

Type	WQV 10/4	Version	
Order No.	1055060000	W-Series, Cross-connector, For the terminals, Number of poles: 4	
GTIN (EAN)	4008190188245		
Qty.	50 pc(s).		
Type	WQV 10/10	Version	
Order No.	1052460000	W-Series, Cross-connector, For the terminals, Number of poles: 10	
GTIN (EAN)	4008190152130		
Qty.	20 pc(s).		
Type	WQV 10/2	Version	
Order No.	1052560000	W-Series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4008190154943		
Qty.	50 pc(s).		
Type	WQV 10/3	Version	
Order No.	1054960000	W-Series, Cross-connector, For the terminals, Number of poles: 3	
GTIN (EAN)	4008190079079		
Qty.	50 pc(s).		

End plate

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	Version	
Order No.	9538110000	W-Series, End plate	
GTIN (EAN)	4008190574994		
Qty.	20 pc(s).		
Type	WAP WTL6 SL 4-6	Version	
Order No.	1238880000	W-Series, End plate	
GTIN (EAN)	4050118045680		
Qty.	20 pc(s).		

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Accessories

Connection sleeves

General ordering data

Type	VH 19/6/4.2 SAKT1	Version
Order No.	0318000000	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190059460	poles: 1
Qty.	50 pc(s).	

Shorting elements

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	QVS 2 SAKT1+2	Version
Order No.	0307300000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190036140	
Qty.	20 pc(s).	
Type	QVS 4 SAKT1+2	Version
Order No.	0307400000	SAK Series, Cross-connector, Cross-connector, Number of poles: 4
GTIN (EAN)	4008190091941	
Qty.	20 pc(s).	
Type	QVS 3 SAKT1+2	Version
Order No.	0329300000	SAK Series, Cross-connector, Cross-connector, Number of poles: 3
GTIN (EAN)	4008190084714	
Qty.	20 pc(s).	
Type	QVS 2/S SAKT1+2	Version
Order No.	0358460000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190157937	
Qty.	20 pc(s).	
Type	QVS 2/4 SAKT4	Version
Order No.	1319260000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190136512	
Qty.	20 pc(s).	

WTL 6 SL

Accessories

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	W-Series, Threaded bushing	
GTIN (EAN)	4050118075892		
Qty.	50 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 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 pc(s).		

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Weidmüller ⊒Ξ

WTL 6 SL

Accessories

W-Series

W

Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	WTW EN	Version	
Order No.	1058800000	W-Series, Partition plate	
GTIN (EAN)	4008190140175		
Qty.	20 pc(s).		

Fixing screws

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	BS 25 IH/BL SAKT1	Version	
Order No.	0335400000	SAK Series, Set of fixings	
GTIN (EAN)	4008190086879		
Qty.	50 pc(s).		
Type	BS 25 IH/RT SAKT1	Version	
Order No.	0335500000	SAK Series, Set of fixings	
GTIN (EAN)	4008190118877		
Qty.	50 pc(s).		
Type	BS 25 IH/GN SAKT1	Version	
Order No.	0335600000	SAK Series, Set of fixings	
GTIN (EAN)	4008190113490		
Qty.	50 pc(s).		
Type	BS 25 IH/VI SAKT1	Version	
Order No.	0335800000	SAK Series, Set of fixings	
GTIN (EAN)	4008190039196		
Qty.	50 pc(s).		
Type	BS 25 IH/SW SAKT1	Version	
Order No.	0335200000	SAK Series, Set of fixings	
GTIN (EAN)	4008190114039		
Qty.	50 pc(s).		

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WTL 6 SL

Accessories

Type	BS 25 O.IH SAKT1	Version	
Order No.	0334700000	SAK Series, Set of fixings	
GTIN (EAN)	4008190118839		
Qty.	50 pc(s).		
Type	BS 25 IH/GR SAKT1	Version	
Order No.	0335300000	SAK Series, Set of fixings	
GTIN (EAN)	4008190136864		
Qty.	50 pc(s).		
Type	BS 25 IH/GE SAKT1	Version	
Order No.	0335700000	SAK Series, Set of fixings	
GTIN (EAN)	4008190189235		
Qty.	50 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 35/2	Version	
Order No.	1061200000	W-Series, End bracket	
GTIN (EAN)	4008190030230		
Qty.	50 pc(s).		

Switch lock

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	SSP 3 SAKT1	Version	
Order No.	0531760000	SAK Series, Lockout device	
GTIN (EAN)	4008190130787		
Qty.	100 pc(s).		

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WTL 6 SL

Accessories

Test sockets

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	STB 21.6/IH/SW WTL6/3	Version
Order No.	1071040000	Accessories, Socket
GTIN (EAN)	4008190859985	
Qty.	50 pc(s).	
Type	STB 36.8/IH/GN WTL6/1	Version
Order No.	1847770000	Accessories, Socket
GTIN (EAN)	4032248379163	
Qty.	50 pc(s).	
Type	STB 21.6/45 RT	Version
Order No.	1936300000	Accessories, Socket
GTIN (EAN)	4032248606030	
Qty.	50 pc(s).	
Type	STB 21.6/IH/BL WTL6/3	Version
Order No.	1071080000	Accessories, Socket
GTIN (EAN)	4008190043957	
Qty.	50 pc(s).	
Type	STB 21.6/45 VI	Version
Order No.	1936260000	Accessories, Socket
GTIN (EAN)	4032248605996	
Qty.	50 pc(s).	
Type	STB 21.6/IH/DB WTL6/3	Version
Order No.	1071000000	Accessories, Socket
GTIN (EAN)	4008190259204	
Qty.	50 pc(s).	
Type	STB 21.6/45 SW	Version
Order No.	1936270000	Accessories, Socket
GTIN (EAN)	4032248606009	
Qty.	50 pc(s).	
Type	STB 36.8/IH/WS WTL6/1	Version
Order No.	1312560000	Accessories, Socket
GTIN (EAN)	4050118181203	
Qty.	50 pc(s).	
Type	STB 36.8/IH/BL WTL6/1	Version
Order No.	1847790000	Accessories, Socket
GTIN (EAN)	4032248379149	
Qty.	50 pc(s).	
Type	STB 21.6/45 GE	Version
Order No.	1936240000	Accessories, Socket
GTIN (EAN)	4032248605972	
Qty.	50 pc(s).	

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Accessories

Type	STB 21.6/IH/GE WTL6/3	Version
Order No.	1071010000	Accessories, Socket
GTIN (EAN)	4008190259211	
Qty.	50 pc(s).	

Type	STB 36.8/IH/RT WTL6/1	Version
Order No.	1312540000	Accessories, Socket
GTIN (EAN)	4050118180992	
Qty.	50 pc(s).	

Type	STB 21.6/IH/RT WTL6/3	Version
Order No.	1778990000	Accessories, Socket
GTIN (EAN)	4032248169665	
Qty.	50 pc(s).	

Type	STB 36.8/IH/VI WTL6/1	Version
Order No.	1847780000	Accessories, Socket
GTIN (EAN)	4032248379156	
Qty.	50 pc(s).	

Type	STB 21.6/45 GN	Version
Order No.	1936250000	Accessories, Socket
GTIN (EAN)	4032248605989	
Qty.	50 pc(s).	

Type	STB 36.8/IH/SW WTL6/1	Version
Order No.	1312550000	Accessories, Socket
GTIN (EAN)	4050118181210	
Qty.	50 pc(s).	

Type	STB 21.6/IH/VI WTL6/3	Version
Order No.	1071030000	Accessories, Socket
GTIN (EAN)	4008190259235	
Qty.	50 pc(s).	

Type	STB 36.8/IH/GE WTL6/1	Version
Order No.	1847760000	Accessories, Socket
GTIN (EAN)	4032248379170	
Qty.	50 pc(s).	

Type	STB 21.6/45 BL	Version
Order No.	1936290000	Accessories, Socket
GTIN (EAN)	4032248606023	
Qty.	50 pc(s).	

Type	STB 36.8/IH/DB WTL6/1	Version
Order No.	1847740000	Accessories, Socket
GTIN (EAN)	4032248379187	
Qty.	50 pc(s).	

Type	STB 21.6/IH/BR WTL6/3	Version
Order No.	2715530000	Accessories, Socket
GTIN (EAN)	4050118782134	
Qty.	50 pc(s).	

Type	STB 21.6/IH/WS WTL6/3	Version
Order No.	1312520000	Accessories, Socket
GTIN (EAN)	4050118121704	
Qty.	50 pc(s).	

Type	STB 21.6/45 GR	Version
Order No.	1936280000	Accessories, Socket
GTIN (EAN)	4032248606016	
Qty.	50 pc(s).	

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Accessories

Type	STB 21.6/IH/GN WTL6/3	Version	
Order No.	1071020000	Accessories, Socket	
GTIN (EAN)	4008190259228		
Qty.	50 pc(s).		
Type	STB 21.6/45 DB	Version	
Order No.	1938790000	Accessories, Socket	
GTIN (EAN)	4032248612840		
Qty.	50 pc(s).		

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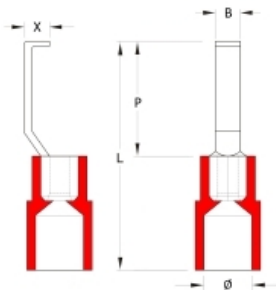
The use of insulated connectors guarantees users a permanent and consistent quality for their electrical connections.
In addition, they bring advantages during installation.

General ordering data

Type	HBT 2,5 - 4,6 BL	Version	
Order No.	1233330000	cable lug, terminal end,Insulated cable connector,1.5 mm² - 2.5	
GTIN (EAN)	4050118016901	mm²,blue	
Qty.	100 pc(s).		
Type	HBT 6,0 - 3,0 GE	Version	
Order No.	1312470000	cable lug, terminal end,Insulated cable connector,4 mm² - 6	
GTIN (EAN)	4050118114980	mm²,yellow	
Qty.	100 pc(s).		
Type	HBT 6,0 - 4,6 GE	Version	
Order No.	1216230000	cable lug, terminal end,Insulated cable connector,4 mm² - 6	
GTIN (EAN)	4050118000337	mm²,yellow	
Qty.	100 pc(s).		
Type	HBT 2,5 - 3,0 BL	Version	
Order No.	1312450000	cable lug, terminal end,Insulated cable connector,1.5 mm² - 2.5	
GTIN (EAN)	4050118115130	mm²,blue	
Qty.	100 pc(s).		
Type	HBT 1,5 - 4,6 RT	Version	
Order No.	1233340000	cable lug, terminal end,Insulated cable connector,0.5 mm² - 1.5	
GTIN (EAN)	4050118210972	mm²,red	
Qty.	100 pc(s).		
Type	HBT 1,5 - 3,0 RT	Version	
Order No.	1312440000	cable lug, terminal end,Insulated cable connector,0.5 mm² - 1.5	
GTIN (EAN)	4050118115055	mm²,red	
Qty.	100 pc(s).		

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