Weidmüller ⟩€

WTL 6/3/STB

Product image

WTL 6/3/STB 101880

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	Test-disconnect terminal, Screw connection, 6 mm², 500 V, 41 A, sliding, dark beige
Order No.	1018600000
Type	WTL 6/3/STB
GTIN (EAN)	4008190259266
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Depth including DIN rail	65 mm	Height	87 mm
Height (inches)	3.425 inch	Width	7.9 mm
Width (inches)	0.311 inch	Weight	35.65 g
Net weight	32.72 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °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, Spacer, for plug-in cross-connector, in closed state	End cover plate required	
			No
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

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

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	2.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm²

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)	200039-1057876	Current size C (CSA)	45 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

WTL 6/3/STB

Technical data

Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm	Clamping range, max.	10 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm²	Connection cross-section, stranded, min.	10 mm²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Torque level with DMS electric screwdriver	3	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, 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 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, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	sliding	Torque max. screw separator	0.7 Nm
Torque min. screw separator	0.5 Nm		

General

Rail	TS 35	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 20		

Rating data

Rated cross-section	6 mm²	Rated voltage	500 V
Rated current	41 A	Current at maximum wires	57 A
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	3
Surge voltage category	III		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	20 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	20 AWG	Current size C (UR)	45 A
Voltage size C (UR)	600 V		

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Technical data

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	
ROHS	Conform
UL File Number Search	E60693

Downloads

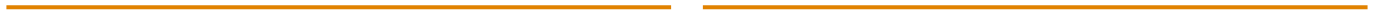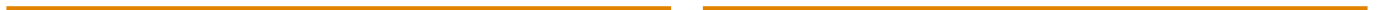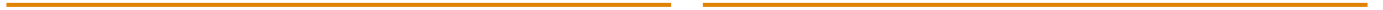|	
Approval/Certificate/Document of Conformity	CB Test Certificate
	CB Certificate
	EAC certificate
	CE Declaration of Conformity
	CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues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

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Drawings

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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 6/6	Version	
Order No.	1062670000	W-Series, Cross-connector, For the terminals, Number of poles: 6	
GTIN (EAN)	4008190261771		
Qty.	50 pc(s).		
Type	WQV 6/2	Version	
Order No.	1052360000	W-Series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4008190075866		
Qty.	50 pc(s).		
Type	WQV 6/7	Version	
Order No.	1062680000	W-Series, Cross-connector, For the terminals, Number of poles: 7	
GTIN (EAN)	4008190261788		
Qty.	50 pc(s).		
Type	WQV 6/5	Version	
Order No.	1062660000	W-Series, Cross-connector, For the terminals, Number of poles: 5	
GTIN (EAN)	4008190176914		
Qty.	50 pc(s).		
Type	WQV 6/3	Version	
Order No.	1054760000	W-Series, Cross-connector, For the terminals, Number of poles: 3	
GTIN (EAN)	4008190174163		
Qty.	50 pc(s).		
Type	WQV 6/10	Version	
Order No.	1052260000	W-Series, Cross-connector, For the terminals, Number of poles: 10	
GTIN (EAN)	4008190153977		
Qty.	20 pc(s).		
Type	WQV 6/4	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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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 4 F.STB 4	Version	
Order No.	0299600000	Accessories, Test plug	
GTIN (EAN)	4008190074043		
Qty.	20 pc(s).		

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 5/8 MC NE WS	Version	
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248400850	Weidmueller, white	
Qty.	800 pc(s).		

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Accessories

Test sockets

Current and voltage transformer wiring
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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 21.6/IH/GE WTL6/3	Version
Order No.	1071010000	Accessories, Socket
GTIN (EAN)	4008190259211	
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/IH/GN WTL6/3	Version
Order No.	1071020000	Accessories, Socket
GTIN (EAN)	4008190259228	
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 21.6/IH/BL WTL6/3	Version
Order No.	1071080000	Accessories, Socket
GTIN (EAN)	4008190043957	
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).	

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Accessories

Shorting elements

Current and voltage transformer wiring
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General ordering data

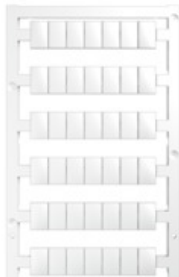| Type	WKS 1/2	Version	
Order No.	1604270000	Accessories, Cross-connection slider, Cross-connector accessories,	
GTIN (EAN)	4008190863432	Number of poles: 2	
Qty.	50 pc(s).		
Type	WKS 1/4	Version	
Order No.	1604310000	Accessories, Cross-connection slider, Cross-connector accessories,	
GTIN (EAN)	4008190886851	Number of poles: 4	
Qty.	50 pc(s).		
Type	WKS 1/3	Version	
Order No.	1604290000	Accessories, Cross-connection slider, Cross-connector accessories,	
GTIN (EAN)	4008190164027	Number of poles: 3	
Qty.	50 pc(s).		

Switch lock

Current and voltage transformer wiring
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General ordering data

Type	SSP WTL6/2	Version	
Order No.	1604200000	SAK Series, Lockout device	
GTIN (EAN)	4008190080532		
Qty.	100 pc(s).		

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Accessories

End plate

Current and voltage transformer wiring
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General ordering data

Type	WAP WTL6/3	Version	
Order No.	1879910000	W-Series, End plate	
GTIN (EAN)	4032248477074		
Qty.	20 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

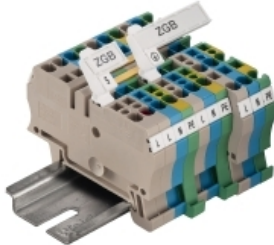| Type	WS 12/8 PLUS MC NE WS	Version	
Order No.	1906000000	WS, Terminal marker, 12 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,	
GTIN (EAN)	4032248528158	white	
Qty.	420 pc(s).		

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Accessories

ZGB pivotable group tag holder

The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.
Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	

DEK 5/8

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 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

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