

WTL 6 STB SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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 mm ² , 500 V, 41 A, sliding, Cross-disconnect: without, Integral test socket: Yes, TS 35, black
Order No.	2863900000
Type	WTL 6 STB SW
GTIN (EAN)	4064675598787
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47.5 mm	Height	69 mm
Height (inches)	2.717 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	23.1 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

System specifications

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
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.	10 mm ²
Clamping range, min.	0.5 mm ²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm ²	Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.2 Nm	Tightening torque, min.	0.8 Nm
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.	6 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

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Technical data

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	sliding	Torque max. screw separator	0.8 Nm
Torque min. screw separator	0.5 Nm		

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 20

Rating data

Rated cross-section	6 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	41 A
Current at maximum wires	41 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	3

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 B (UR)	30 A
Current size C (UR)	30 A	Current size D (UR)	10 A
Voltage size B (UR)	300 V	Voltage size C (UR)	150 V
Voltage size D (UR)	300 V		

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

Environmental Product Compliance

REACH SVHC /

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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Drawings



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www.weidmueller.com**Accessories****Cross Connection****General ordering data**

Type	SAKQB 6/2	Version
Order No.	2615330000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4050118655797	Pitch in mm (P): 8.00, Insulated: No
Qty.	20 pc(s).	
Type	SAKQB 6/10	Version
Order No.	2111230000	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4050118440607	Pitch in mm (P): 8.00, Insulated: No
Qty.	10 pc(s).	
Type	SAKQB 6/3	Version
Order No.	2615340000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4050118655780	Pitch in mm (P): 8.00, Insulated: No
Qty.	20 pc(s).	
Type	SAKQS 6/4	
Order No.	2111670000	
GTIN (EAN)	4050118440614	
Qty.	10 pc(s).	
Type	SAKQB 6/4	Version
Order No.	2615360000	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4050118655858	Pitch in mm (P): 8.00, Insulated: No
Qty.	20 pc(s).	
Type	SAKQS 6/2	
Order No.	2111240000	
GTIN (EAN)	4050118440621	
Qty.	10 pc(s).	

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Accessories

Test sockets



The test socket is used to connect test devices with a standard 4.0 plug. Depending on the potential within the application, different colors of the test sockets can be selected for quick and easy maintenance work.

General ordering data

Type	STB 30.5 IH/GE	Version
Order No.	0341500000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190130961	
Qty.	50 pc(s).	
Type	STB 30.5 IH/GR	Version
Order No.	0341100000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190083960	
Qty.	50 pc(s).	
Type	STB 30.5 IH/RT	Version
Order No.	0341300000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190157852	
Qty.	50 pc(s).	
Type	STB 30.5 IH/SW	Version
Order No.	0341000000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190015299	
Qty.	50 pc(s).	
Type	STB 30.5 IH/BL	Version
Order No.	0341200000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190044077	
Qty.	50 pc(s).	
Type	STB 30.5 IH/VI	Version
Order No.	0341600000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190026035	
Qty.	50 pc(s).	
Type	STB 30.5 IH/GN	Version
Order No.	0341400000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4008190008093	
Qty.	50 pc(s).	
Type	STB 30.5 IH/BR	Version
Order No.	1027870000	Socket (terminal), Plug-in depth: 10 mm, Depth: 31.7 mm
GTIN (EAN)	4032248755615	
Qty.	50 pc(s).	

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www.weidmueller.com**Accessories****Insulation profiles****General ordering data**

Type	ISPF QB58 SW	Version
Order No.	0546000000	Insulation profile, PVC, black
GTIN (EAN)	4008190116705	
Qty.	10 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 GR	Version
Order No.	1859200000	End bracket, Wemid, grey, Rail: TS 35, when screwed in
GTIN (EAN)	4032248411658	
Qty.	100 pc(s).	
Type	WEW 35/2 SW	Version
Order No.	1061210000	End bracket, Wemid, black, Rail: TS 35, when screwed in
GTIN (EAN)	4032248136278	
Qty.	50 pc(s).	
Type	WEW 35/2 V0 GF SW	Version
Order No.	1479000000	End bracket, Wemid, black, Rail: TS 35, when screwed in
GTIN (EAN)	4050118286779	
Qty.	50 pc(s).	
Type	WEW 35/2	Version
Order No.	1061200000	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

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www.weidmueller.com**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	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

BLM**General ordering data**

Type	BLM 5/8 TB	Version
Order No.	7760380692	BLM, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	6944169819148	white
Qty.	4,800 pc(s).	

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Accessories

Plus



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 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	

QB



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	QB 58/8/9/WI	Version
Order No.	0545300000	Cross-connector (terminal), when screwed in, Number of poles: 58,
GTIN (EAN)	4008190125080	Pitch in mm (P): 8.00, Insulated: No, 27 A, grey
Qty.	10 pc(s).	
Type	QB 58/8/15	Version
Order No.	0545400000	Cross-connector (terminal), when screwed in, Number of poles: 58,
GTIN (EAN)	4008190028794	Pitch in mm (P): 8.00, Insulated: No, 27 A, grey
Qty.	10 pc(s).	

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Accessories

End plate



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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 WTL 6 GR	Version
Order No.	2868500000	End and partition plate for terminals, 68.5 mm x 1.5 mm, grey
GTIN (EAN)	4064675619574	
Qty.	20 pc(s).	
Type	WAP WTL 6 BL	Version
Order No.	2863970000	End and partition plate for terminals, 68.5 mm x 1.5 mm, blue
GTIN (EAN)	4064675598848	
Qty.	20 pc(s).	
Type	WAP WTL 6 SW	Version
Order No.	2868510000	End and partition plate for terminals, 68.5 mm x 1.5 mm, black
GTIN (EAN)	4064675619581	
Qty.	20 pc(s).	
Type	WAP WTL 6	Version
Order No.	2863960000	End and partition plate for terminals, 68.5 mm x 1.5 mm, dark beige
GTIN (EAN)	4064675598824	
Qty.	20 pc(s).	