

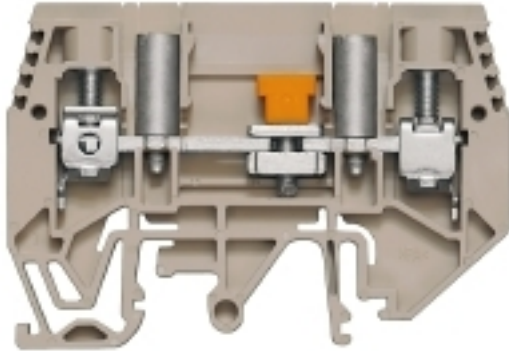
WTL 6/1 EN STB**Weidmüller Interface GmbH & Co. KG**

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	Test-disconnect terminal, Screw connection, 6 mm ² , 630 V, 41 A, sliding, dark beige
Order No.	1934820000
Type	WTL 6/1 EN STB
GTIN (EAN)	4032248592173
Qty.	50 pc(s).

Creation date January 29, 2022 6:56:59 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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Weidmüller Interface GmbH & Co. KG

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Technical data

Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.87 inch
Depth including DIN rail	48.5 mm	Height	68.5 mm
Height (inches)	2.697 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	24.12 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
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Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Spacer, 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 32, 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 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm ²

Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size B (CSA)	45 A
Current size C (CSA)	45 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

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Technical data

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.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	1 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 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

Dimensions

TS 32 offset	34.5 mm	TS 35 offset	34.5 mm
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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 32, TS 35	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	630 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

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)	45 A
Current size C (UR)	45 A	Voltage size B (UR)	300 V
Voltage size C (UR)	300 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	

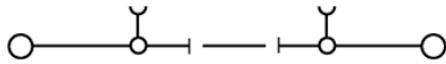
Data sheet

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Drawings

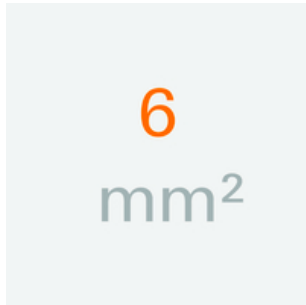


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Accessories

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 6/5	Version
Order No.	1062660000	W-Series, Cross-connector, For the terminals, Number of poles: 5
GTIN (EAN)	4008190176914	
Qty.	50 pc(s).	
Type	WQV 6/7	Version
Order No.	1062680000	W-Series, Cross-connector, For the terminals, Number of poles: 7
GTIN (EAN)	4008190261788	
Qty.	50 pc(s).	
Type	WQV 6/6	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 6/4	Version
Order No.	1054860000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190180799	
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).	

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Accessories

Test sockets

**Current and voltage transformer wiring**

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General ordering data

Type	STB 21.6/45 RT	Version
Order No.	1936300000	Accessories, Socket
GTIN (EAN)	4032248606030	
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 36.8/IH/RT WTL6/1	Version
Order No.	1312540000	Accessories, Socket
GTIN (EAN)	4050118180992	
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 21.6/45 DB	Version
Order No.	1938790000	Accessories, Socket
GTIN (EAN)	4032248612840	
Qty.	50 pc(s).	
Type	STB 21.6/45 GE	Version
Order No.	1936240000	Accessories, Socket
GTIN (EAN)	4032248605972	
Qty.	50 pc(s).	
Type	STB 21.6/IH/SW WTL6/3	Version
Order No.	1071040000	Accessories, Socket
GTIN (EAN)	4008190859985	
Qty.	50 pc(s).	
Type	STB 21.6/45 VI	Version
Order No.	1936260000	Accessories, Socket
GTIN (EAN)	4032248605996	
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/IH/DB WTL6/3	Version
Order No.	1071000000	Accessories, Socket
GTIN (EAN)	4008190259204	
Qty.	50 pc(s).	

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Accessories

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 21.6/45 BL	Version
Order No.	1936290000	Accessories, Socket
GTIN (EAN)	4032248606023	
Qty.	50 pc(s).	
Type	STB 21.6/45 GR	Version
Order No.	1936280000	Accessories, Socket
GTIN (EAN)	4032248606016	
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/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).	
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/IH/WS WTL6/3	Version
Order No.	1312520000	Accessories, Socket
GTIN (EAN)	4050118121704	
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 36.8/IH/GN WTL6/1	Version
Order No.	1847770000	Accessories, Socket
GTIN (EAN)	4032248379163	
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/BL WTL6/1	Version
Order No.	1847790000	Accessories, Socket
GTIN (EAN)	4032248379149	
Qty.	50 pc(s).	

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8

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Accessories

End plate



Current and voltage transformer wiring

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General ordering data

Type	WAP WTL6/1 EN	Version
Order No.	1957710000	W-Series, End plate
GTIN (EAN)	4032248654024	
Qty.	20 pc(s).	
Type	WTW WTL6/1 DB	Version
Order No.	1068400000	W-Series, Partition plate
GTIN (EAN)	4008190091996	
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/RT SAKT1	Version
Order No.	0335500000	SAK Series, Set of fixings
GTIN (EAN)	4008190118877	
Qty.	50 pc(s).	
Type	BS 25 IH/BL SAKT1	Version
Order No.	0335400000	SAK Series, Set of fixings
GTIN (EAN)	4008190086879	
Qty.	50 pc(s).	
Type	KISC M3X20 SAK 10 CU5	Version
Order No.	0377100000	SAK Series, Mounting screw, Steel
GTIN (EAN)	4008190060350	
Qty.	100 pc(s).	
Type	BS 25 O.IH SAKT1	Version
Order No.	0334700000	SAK Series, Set of fixings
GTIN (EAN)	4008190118839	
Qty.	50 pc(s).	

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Accessories

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/GE SAKT1	Version
Order No.	0335700000	SAK Series, Set of fixings
GTIN (EAN)	4008190189235	
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/GR SAKT1	Version
Order No.	0335300000	SAK Series, Set of fixings
GTIN (EAN)	4008190136864	
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).	

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

Switch lock

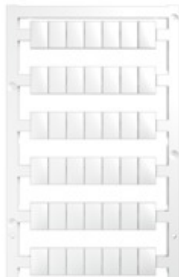
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General ordering data

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

WTL 6/1 EN STB

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Accessories

SAK-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	TSCH 2	Version
Order No.	0353660000	SAK Series, Small partition, beige, 0.6 mm
GTIN (EAN)	4008190128432	
Qty.	100 pc(s).	

Connection sleeves



General ordering data

Type	VH 16/5/3.5 SAK10-35	Version
Order No.	0309700000	SAK Series, Connecting sleeve, for cross-connection link, Number of poles:
GTIN (EAN)	4008190037024	
Qty.	50 pc(s).	

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Accessories

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).	

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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Accessories

Shorting elements

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General ordering data

Type	WKS 2/4	Version
Order No.	1936160000	Accessories, Cross-connection slider, x 29.9
GTIN (EAN)	4032248605880	
Qty.	50 pc(s).	
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	WKB 1/2	Version
Order No.	1604280000	Accessories, Cross-connection slider, Cross-connector accessories,
GTIN (EAN)	4008190165338	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	WKB 1/10	Version
Order No.	1604330000	Accessories, Cross-connection slider, Cross-connector accessories,
GTIN (EAN)	4008190129576	Number of poles: 10
Qty.	20 pc(s).	
Type	WKS 2/3	Version
Order No.	1936150000	Accessories, Cross-connection slider, x 22
GTIN (EAN)	4032248605873	
Qty.	50 pc(s).	
Type	WKB 1/4	Version
Order No.	1604320000	Accessories, Cross-connection slider, Cross-connector accessories,
GTIN (EAN)	4008190023713	Number of poles: 4
Qty.	50 pc(s).	
Type	WKS 2/2	Version
Order No.	1936140000	Accessories, Cross-connection slider, x 14.1
GTIN (EAN)	4032248605866	
Qty.	50 pc(s).	
Type	QS 2/8/4	Version
Order No.	0270960000	SAK Series, Short-circuit plug, For the terminals, Number of poles: 2
GTIN (EAN)	4008190077006	
Qty.	20 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).	

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Data sheet**WTL 6/1 EN STB**

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Accessories

Type	WKB 1/3	Version
Order No.	1604300000	Accessories, Cross-connection slider, Cross-connector accessories,
GTIN (EAN)	4008190010225	Number of poles: 3
Qty.	50 pc(s).	

Mouser Electronics

Authorized Distributor

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