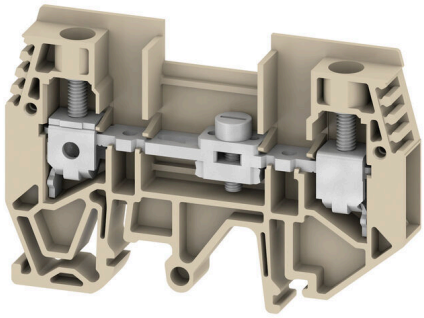
Data sheet

WTL 6/5 EN HV

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	Measuring transformer disconnect terminal, Screw connection, 500, 41, 2
Order No.	1412930000
Type	WTL 6/5 EN HV
GTIN (EAN)	4050118237511
Qty.	50 items

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Technical data

Approvals

Approvals	CE UKCA
ROHS	Conform

Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.8701 inch
Height	68.5 mm	Height (inches)	2.6968 inch
Width	7.9 mm	Width (inches)	0.311 inch
Net weight	19.4 g		

Temperatures

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

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

End cover plate required	Yes	Number of levels	1
Number of clamping points per level	2	Mounting rail	TS 32, TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Type of mounting	Snap-on

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 8	Connection direction	on side
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	10 mm²	Clamping range, min.	0.5 mm²
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

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	10 mm²
Connection cross-section, stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 20
Mounting rail	TS 32, TS 35		

Rating data

Rated cross-section	6 mm²	Rated DC voltage	1000 V
Nominal current	41 A	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3

Classifications

ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

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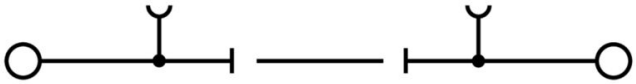
Drawings



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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	QS 2/8/4	Version
Order No.	0270960000	Cross-connector (terminal), Plugged, beige, 44 A, Number of poles: 2,
GTIN (EAN)	4008190077006	Pitch in mm (P): 8.00, Insulated: Yes, Width: 12 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	STB 35 IH/GE	Version
Order No.	0389000000	Socket (terminal), Plug-in depth: 8 mm, Depth: 37.5 mm
GTIN (EAN)	4008190396985	
Qty.	50 ST	
Type	STB 21.6/45 GE	Version
Order No.	1936240000	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 45 mm
GTIN (EAN)	4032248605972	
Qty.	50 ST	

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Accessories

General ordering data

Type	WKS 2/2	Version
Order No.	1936140000	Accessories, Cross-connection slider, x 14.1
GTIN (EAN)	4032248605866	
Qty.	50 ST	

Accessorie

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General ordering data

Type	WKS 2/3	Version
Order No.	1936150000	Accessories, Cross-connection slider, x 22
GTIN (EAN)	4032248605873	
Qty.	50 ST	

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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 ST	

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Accessories

Accessorie

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General ordering data

Type	WKS 2/10	Version
Order No.	1936180000	Accessories, Cross-connection slider, x 77.3
GTIN (EAN)	4032248605910	
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	WAP WTL6/1 EN	Version
Order No.	1957710000	End plate for terminals, dark beige, Height: 65 mm, Width: 1.5 mm,
GTIN (EAN)	4032248654024	V-0, Wemid, Snap-on: Yes
Qty.	20 ST	
Type	WTW WTL 6/1 4MM	Version
Order No.	1766900000	Partition plate (terminal), dark beige, Height: 65 mm, Width: 1.5 mm,
GTIN (EAN)	4032248103690	V-0, Wemid
Qty.	20 ST	

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General ordering data

Type	WTW WTL6/1 DB	Version
Order No.	1068400000	Partition plate (terminal), dark beige, Height: 65 mm, Width: 1.5 mm,
GTIN (EAN)	4008190091996	V-0, Wemid
Qty.	20 ST	

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General ordering data

Type	WQV 6/2/CT	Version
Order No.	1062820000	Accessories, Cross-connector, Number of poles: 2
GTIN (EAN)	4032248900459	
Qty.	50 ST	
Type	WQV 6/3/CT	Version
Order No.	1062830000	Accessories, Cross-connector, Number of poles: 3
GTIN (EAN)	4032248900466	
Qty.	50 ST	
Type	WQV 6/4/CT	Version
Order No.	1062840000	Accessories, Cross-connector, Number of poles: 4
GTIN (EAN)	4032248900473	
Qty.	50 ST	
Type	WQV 6/10/CT	Version
Order No.	1062850000	Accessories, Cross-connector, Number of poles: 10
GTIN (EAN)	4032248900480	
Qty.	20 ST	

Accessorie

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General ordering data

Type	WKB 2/2	Version
Order No.	1936190000	Accessories, Cross-connection slider
GTIN (EAN)	4032248605927	
Qty.	50 ST	

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General ordering data

Type	WKB 2/3	Version
Order No.	1936200000	Accessories, Cross-connection slider
GTIN (EAN)	4032248605934	
Qty.	50 ST	