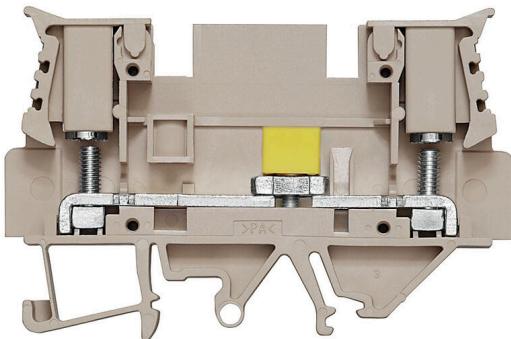


WTL 6/4 FF

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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	Measuring transformer disconnect terminal, Screw connection, 500, 41, 2
Order No.	1887210000
Type	WTL 6/4 FF
GTIN (EAN)	4032248526796
Qty.	50 items

WTL 6/4 FF

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Technical data

Approvals

Approvals



ROHS Conform
UL File Number Search [UL Website](#)
Certificate No. (cURus) E60693

Dimensions and weights

Depth	52 mm	Depth (inches)	2.0472 inch
Depth including DIN rail	53.4 mm	Height	76.5 mm
Height (inches)	3.0118 inch	Width	11 mm
Width (inches)	0.4331 inch	Net weight	35.69 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Spacer, for plug-in cross-connector, for screwable cross-connection, 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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Type of mounting	Snap-on
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CSA rating data

Voltage size B (cCSAus)	600 V	Voltage size C (cCSAus)	600 V
Current size D (cCSAus)	40 A	Wire cross section min. (cCSAusX)	26 AWG
Current size C (cCSAus)	40 A	Certificate number (cCSAus)	227775-1609344
Wire cross section max. (cCSAusX)	10 AWG	Current size B (cCSAus)	40 A
Voltage size D (cCSAus)	600 V		

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 10	Connection direction	on side
Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Stripping length	8 mm	Type of connection	Screw connection
Number of connections	2	Clamping range, max.	6 mm ²
Clamping range, min.	0.5 mm ²	Clamping screw	M 4
Blade size	0.8 x 5.5 mm	Wire connection cross section AWG, min.	AWG 20
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 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, max.	6 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, 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 35 offset 38.5 mm

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 20
Mounting rail	TS 35		

Rating data

Rated cross-section	6 mm ²	Rated voltage	500 V
Rated DC voltage	800 V	Nominal current	41 A
Current at maximum wires	41 A	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Voltage size B (cURus)	600 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	26 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Current size B (cURus)	30 A
Voltage size C (cURus)	600 V	Current size C (cURus)	30 A
Conductor size Field wiring max. (cURus)	10 AWG		

Classifications

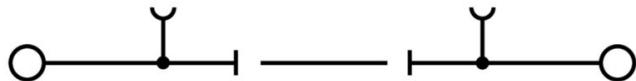
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

WTL 6/4 FF

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Drawings

www.weidmueller.com



WTL 6/4 FF

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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	ZQV 10/2	Version
Order No.	1739680000	Accessories, Cross-connector, 57 A
GTIN (EAN)	4008190957131	
Qty.	25 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 WTL6/4FF	Version
Order No.	1887240000	End plate for terminals, dark beige, Height: 68.5 mm, Width: 1.5 mm,
GTIN (EAN)	4032248526819	V-0, Wemid, Snap-on: No
Qty.	20 ST	

End bracket



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	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

WTL 6/4 FF

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General ordering data

Type	VH 13.5/4.9/3.3	Version
Order No.	0248500000	Connecting sleeve (terminal), when screwed in, Width: 4.9 mm,
GTIN (EAN)	4008190022723	Height: 4.9 mm, Depth: 13.5 mm, Number of poles: 1, Copper
Qty.	100 ST	

Accessorie



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	QL 2 WTL6/4FF	Version
Order No.	1897010000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248513987	Number of poles: 2, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm
Type	QL 3 WTL6/4FF	Version
Order No.	1897020000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248513994	Number of poles: 3, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm

Cross-connections



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WTL 6/4 FF

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Accessories

General ordering data

Type	QL 4 WTL6/4FF	Version
Order No.	1897030000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248514007	Number of poles: 4, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm
Type	QL 10 WTL 6/4 FF	Version
Order No.	1897090000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248514069	Number of poles: 10, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm
Type	Q 2 WTL6/4FF	Version
Order No.	1897110000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248514083	Number of poles: 2, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm
Type	Q 4 WTL 6/4FF	Version
Order No.	1897130000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248514106	Number of poles: 4, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	100 ST	mm

Accessorie



Current and voltage transformer wiring
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General ordering data

Type	Q 10 WTL 6/4FF	Version
Order No.	1897190000	Cross-connector (terminal), when screwed in, Silver grey, 41 A,
GTIN (EAN)	4032248514168	Number of poles: 10, Pitch in mm (P): 11.00, Insulated: No, Width: 2
Qty.	50 ST	mm

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	QS 2/12/4	Version
Order No.	0270760000	Cross-connector (terminal), Plugged, beige, 44 A, Number of poles: 2,
GTIN (EAN)	4008190011420	Pitch in mm (P): 12.00, Insulated: Yes, Width: 12 mm
Qty.	20 ST	

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Accessories

Cross-connections

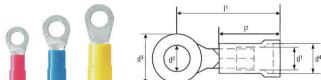


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General ordering data

Type	KISC M3X20.5/10 EK4	Version
Order No.	0303000000	Clamping yoke, Mounting screw, Steel
GTIN (EAN)	4008190163686	
Qty.	100 ST	

Ring cable lugs



Insulated ring-cable connector made from PVC

- Commercially available designs
- Not soldered
- With conical entry funnel

General ordering data

Type	LIR 1,5M4 V	Version
Order No.	9200090000	cable lug, terminal end,Insulated cable connector,1.5 mm ² ,0.5 mm ² -
GTIN (EAN)	4032248409853	1.5 mm ²
Qty.	100 ST	
Type	LIR 2,5M4 V	Version
Order No.	9200170000	cable lug, terminal end,Insulated cable connector,2.5 mm ² ,1.5 mm ² -
GTIN (EAN)	4032248409792	2.5 mm ²
Qty.	100 ST	
Type	LIR 6M4 V	Version
Order No.	9200230000	cable lug, terminal end,Insulated cable connector,6 mm ² ,4 mm ² - 6
GTIN (EAN)	4032248410057	mm ²
Qty.	100 ST	

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Accessories



General ordering data

Type	SDIS 0.6X3.5X100	Version
Order No.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	

Crimping tools



General ordering data

Type	CTI 6	Version
Order No.	9006120000	Pressing tool, Crimping tool for contacts, 0.5mm ² , 6mm ² , Oval
GTIN (EAN)	4008190044527	crimping, Double crimp
Qty.	1 ST	

Accessories



Crimping tools for insulated connectors
cable lugs, terminal pins, parallel and serial connectors,
plug-in connectors

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.
- Tested to DIN EN 60352 part 2

General ordering data

Type	WQB 10 WTL 6/4 FF	Version
Order No.	2550780000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560640	of poles: 10, Pitch in mm (P): 11.10, Insulated: Yes, Width: 106.9 mm
Qty.	10 ST	

WTL 6/4 FF

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Accessories

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General ordering data

Type	WQB 12 WTL 6/4 FF	Version
Order No.	2552080000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118577655	of poles: 12, Pitch in mm (P): 11.10, Insulated: Yes, Width: 129.1 mm
Qty.	10 ST	

Accessorie



Current and voltage transformer wiring
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General ordering data

Type	WQB 2 WTL 6/4 FF	Version
Order No.	2550640000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560503	of poles: 2, Pitch in mm (P): 11.10, Insulated: Yes, Width: 18.2 mm
Qty.	10 ST	
Type	WQB 3 WTL 6/4 FF	Version
Order No.	2550740000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560602	of poles: 3, Pitch in mm (P): 11.10, Insulated: Yes, Width: 29.3 mm
Qty.	10 ST	
Type	WQB 4 WTL 6/4 FF	Version
Order No.	2550750000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560619	of poles: 4, Pitch in mm (P): 11.10, Insulated: Yes, Width: 40.4 mm
Qty.	10 ST	

WTL 6/4 FF

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Accessories

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General ordering data

Type	WQB 5 WTL 6/4 FF	Version
Order No.	2550760000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560626	of poles: 5, Pitch in mm (P): 11.10, Insulated: Yes, Width: 51.5 mm
Qty.	10 ST	

Accessorie



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General ordering data

Type	WQB 6 WTL 6/4 FF	Version
Order No.	2551490000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118577648	of poles: 6, Pitch in mm (P): 11.10, Insulated: Yes, Width: 62.6 mm
Qty.	10 ST	
Type	WQB 7 WTL 6/4 FF	Version
Order No.	2550770000	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4050118560633	of poles: 7, Pitch in mm (P): 11.10, Insulated: Yes, Width: 73.7 mm
Qty.	10 ST	

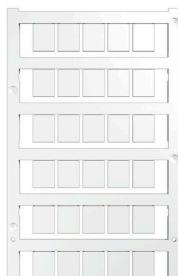
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Accessories

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 12/9.5-11 MC NE WS	Version
Order No.	2484220000	, Polyamide 66, Colour: white
GTIN (EAN)	4050118494808	
Qty.	300 ST	

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	