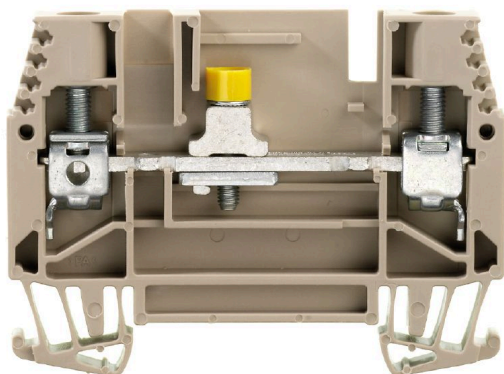


**WTQ 6/1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 41, 2
Order No.	<a href="#">1017900000</a>
Type	WTQ 6/1
GTIN (EAN)	4008190113865
Qty.	50 items

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.8701 inch
Height	65 mm	Height (inches)	2.5591 inch
Width	7.9 mm	Width (inches)	0.311 inch
Net weight	19.07 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 with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	0eb7d846-d0a1-43e5-93a4-d7c6856c4cda

## 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, 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
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

## Additional technical data

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

## CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	50 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	20 AWG		

## Technical data

### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	on side	Tightening torque, max.	1.6 Nm
Tightening torque, min.	1 Nm	Stripping length	12 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	10 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping screw	M 3.5	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 20	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	10 mm <sup>2</sup>
Connection cross-section, stranded, min. 1.5 mm <sup>2</sup>		Torque level with DMS electric screwdriver	3
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### General

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

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	500 V
Rated DC voltage	500 V	Nominal 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		

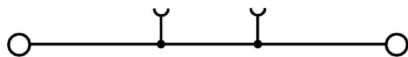
### UL rating data

Conductor size Factory wiring max. (UR)	8 AWG	Current size C (UR)	45 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	20 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	20 AWG
Conductor size Field wiring max. (UR)	8 AWG		

### Classifications

ETIM 7.0	EC000902	ETIM 8.0	EC000902
ETIM 9.0	EC000902	ETIM 10.0	EC000902
ECLASS 11.0	27-14-11-26	ECLASS 12.0	27-14-11-26
ECLASS 13.0	27-25-01-09	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

Drawings



## Accessories

## 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	WAP WTL6/1	Version
Order No.	<a href="#">1068300000</a>	End plate for terminals, dark beige, Height: 65 mm, Width: 1.5 mm,
GTIN (EAN)	4008190088330	V-0, Wemid, Snap-on: No
Qty.	20 ST	

## End plates and partition plates



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

Type	WTW WTL6/1 DB	Version
Order No.	<a href="#">1068400000</a>	Partition plate (terminal), dark beige, Height: 65 mm, Width: 1.5 mm,
GTIN (EAN)	4008190091996	V-0, Wemid
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/BL	Version
Order No.	<a href="#">0388700000</a>	Socket (terminal), Plug-in depth: 8 mm, Depth: 37.5 mm
GTIN (EAN)	4008190082383	
Qty.	50 ST	

## Accessories

### Accessorie



Current and voltage transformer wiring  
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### General ordering data

Type	STB 35 IH/GN	Version
Order No.	<a href="#">0388900000</a>	Socket (terminal), Plug-in depth: 8 mm, Depth: 37.5 mm
GTIN (EAN)	4008190010409	
Qty.	50 ST	
Type	STB 35 IH/GE	Version
Order No.	<a href="#">0389000000</a>	Socket (terminal), Plug-in depth: 8 mm, Depth: 37.5 mm
GTIN (EAN)	4008190396985	
Qty.	50 ST	
Type	STB 35 IH/VI	Version
Order No.	<a href="#">0389100000</a>	Socket (terminal), Plug-in depth: 8 mm, Depth: 37.5 mm
GTIN (EAN)	4008190137755	
Qty.	50 ST	

### 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.

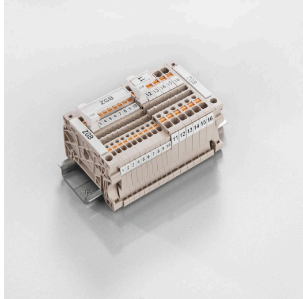
- Large range of ready-to-use markers
  - Strips for fast installation
  - Terminal markers, suitable for all Weidmüller cable connectors
  - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 ST	
Type	WS 12/8 PLUS MC NE WS	Version
Order No.	<a href="#">1906000000</a>	WS, Terminal marker, 12 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528158	white
Qty.	420 ST	

## 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.	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 ST	
Type	ZGB 30	Version
Order No.	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 ST	

## 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	QL 2 SAK6N	Version
Order No.	<a href="#">0194300000</a>	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 2, Pitch in mm (P): 7.90, Insulated: No, Width: 13.9 mm
GTIN (EAN)	4008190182854	
Qty.	50 ST	
Type	QL 3 SAK6N	Version
Order No.	<a href="#">0194400000</a>	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 3, Pitch in mm (P): 7.90, Insulated: No, Width: 21.8 mm
GTIN (EAN)	4008190063351	
Qty.	50 ST	

## 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	QL 4 SAK6N	Version
Order No.	<a href="#">0194500000</a>	Cross-connector (terminal), when screwed in, grey, 57 A, Number of
GTIN (EAN)	4008190025601	poles: 4, Pitch in mm (P): 7.90, Insulated: No, Width: 29.7 mm
Qty.	50 ST	

### 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	QL 10 SAK6N	Version
Order No.	<a href="#">0338300000</a>	Cross-connector (terminal), when screwed in, grey, 41 A, Number of
GTIN (EAN)	4008190176679	poles: 10, Pitch in mm (P): 7.90, Insulated: No, Width: 77.1 mm
Qty.	20 ST	

### 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	QL 15 SAK6N	Version
Order No.	<a href="#">0221200000</a>	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190042110	poles: 15, Pitch in mm (P): 7.90, Insulated: No, Width: 116.6 mm
Qty.	10 ST	



## Accessories

### Accessorie



Current and voltage transformer wiring  
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### General ordering data

Type	WKB 1/2	Version
Order No.	<a href="#">1604280000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4008190165338	of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 14.1 mm
Qty.	50 ST	

### 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	WKB 1/3	Version
Order No.	<a href="#">1604300000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4008190010225	of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 22 mm
Qty.	50 ST	
Type	WKB 1/4	Version
Order No.	<a href="#">1604320000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number
GTIN (EAN)	4008190023713	of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 29.9 mm
Qty.	50 ST	

### Accessorie



Current and voltage transformer wiring  
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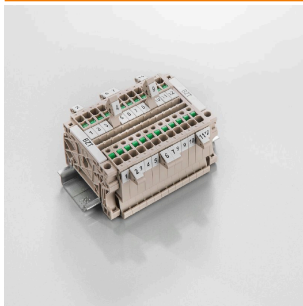
www.weidmueller.com

## Accessories

## General ordering data

Type	WKB 1/10	Version
Order No.	<a href="#">1604330000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4008190129576	10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 77.3 mm
Qty.	20 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.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	

Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

## 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

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## Accessories

## General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 ST	

## Accessorie



## Current and voltage transformer wiring

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## General ordering data

Type	STB 21.6/45 BL	Version
Order No.	<a href="#">1936290000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248606023	
Qty.	50 ST	
Type	STB 21.6/45 DB	Version
Order No.	<a href="#">1938790000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248612840	
Qty.	50 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 21.6/45 GE	Version
Order No.	<a href="#">1936240000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248605972	
Qty.	50 ST	
Type	STB 21.6/45 GN	Version
Order No.	<a href="#">1936250000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248605989	
Qty.	50 ST	

## Accessories

### Accessorie



Current and voltage transformer wiring  
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#### General ordering data

Type	STB 21.6/45 GR	Version
Order No.	<a href="#">1936280000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248606016	
Qty.	50 ST	
Type	STB 21.6/45 RT	Version
Order No.	<a href="#">1936300000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248606030	
Qty.	50 ST	
Type	STB 21.6/45 SW	Version
Order No.	<a href="#">1936270000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248606009	
Qty.	50 ST	
Type	STB 21.6/45 VI	Version
Order No.	<a href="#">1936260000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45
GTIN (EAN)	4032248605996	
Qty.	50 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 36.8/IH/BL WTL6/1	Version
Order No.	<a href="#">1847790000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 39.8 mm
GTIN (EAN)	4032248379149	
Qty.	50 ST	
Type	STB 36.8/IH/GN WTL6/1	Version
Order No.	<a href="#">1847770000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 39.8 mm
GTIN (EAN)	4032248379163	
Qty.	50 ST	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories**

Type	STB 36.8/IH/RT WTL6/1	Version
Order No.	<a href="#">1312540000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 39.8 mm
GTIN (EAN)	4050118180992	
Qty.	50 ST	
Type	STB 36.8/IH/SW WTL6/1	Version
Order No.	<a href="#">1312550000</a>	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 39.8 mm
GTIN (EAN)	4050118181210	
Qty.	50 ST	