

**WTL 6/3****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	Measuring transformer disconnect terminal, Screw connection, 41, 2
Order No.	<a href="#">1018800000</a>
Type	WTL 6/3
GTIN (EAN)	4008 190259280
Qty.	50 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Depth including DIN rail	65 mm	Height	87 mm
Height (inches)	3.4252 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	28.22 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

## 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

Version	Screw connection, Spacer, for plug-in cross-connector, in closed state	End cover plate required	No
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)	45 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	20 AWG		

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## 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.	0.8 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. 10 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
Surge voltage category	III	Pollution severity	3

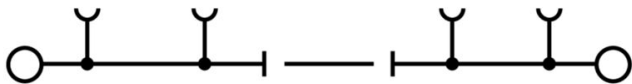
## UL rating data

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 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		

**Drawings**



## WTL 6/3

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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	WQV 6/2	Version
Order No.	<a href="#">1052360000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190075866	
Qty.	50 ST	
Type	WQV 6/3	Version
Order No.	<a href="#">1054760000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190174163	
Qty.	50 ST	
Type	WQV 6/4	Version
Order No.	<a href="#">1054860000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190180799	
Qty.	50 ST	
Type	WQV 6/5	Version
Order No.	<a href="#">1062660000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 5, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190176914	
Qty.	50 ST	
Type	WQV 6/6	Version
Order No.	<a href="#">1062670000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 6, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190261771	
Qty.	50 ST	
Type	WQV 6/7	Version
Order No.	<a href="#">1062680000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 7, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190261788	
Qty.	50 ST	
Type	WQV 6/10	Version
Order No.	<a href="#">1052260000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
GTIN (EAN)	4008190153977	
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.

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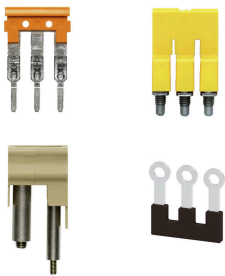
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## Accessories

## General ordering data

Type	WAP WTL6/3	Version	
Order No.	<a href="#">1879910000</a>	End plate for terminals, dark beige, Height: 87 mm, Width: 2 mm, V-0,	
GTIN (EAN)	4032248477074	Wemid, Snap-on: No	
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	WKS 1/2	Version	
Order No.	<a href="#">1604270000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number	
GTIN (EAN)	4008190863432	of poles: 2, Pitch in mm (P): 14.10, Insulated: Yes, Width: 6.1 mm	
Qty.	50 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	WKS 1/3	Version	
Order No.	<a href="#">1604290000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number	
GTIN (EAN)	4008190164027	of poles: 3, Pitch in mm (P): 14.10, Insulated: Yes, Width: 6.1 mm	
Qty.	50 ST		
Type	WKS 1/4	Version	
Order No.	<a href="#">1604310000</a>	Cross-connector (terminal), when screwed in, orange, 41 A, Number	
GTIN (EAN)	4008190886851	of poles: 4, Pitch in mm (P): 14.10, Insulated: Yes, Width: 6.1 mm	
Qty.	50 ST		

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## Accessories

### 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	PS 4 F.STB 4	Version	
Order No.	<a href="#">0299600000</a>	Test adapter (terminal), 230 V	
GTIN (EAN)	4008190074043		
Qty.	20 ST		

### Accessorie



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#### General ordering data

Type	SSP WTL6/2	Version	
Order No.	<a href="#">1604200000</a>	Lockout device (terminal), orange	
GTIN (EAN)	4008190080532		
Qty.	100 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/IH/BL WTL6/3	Version	
Order No.	<a href="#">1071080000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm	
GTIN (EAN)	4008190043957		
Qty.	50 ST		

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## Accessories

Type	STB 21.6/IH/DB WTL6/3	Version
Order No.	<a href="#">1071000000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190259204	
Qty.	50 ST	

### Accessorie



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

Type	STB 21.6/IH/GE WTL6/3	Version
Order No.	<a href="#">1071010000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190259211	
Qty.	50 ST	
Type	STB 21.6/IH/GN WTL6/3	Version
Order No.	<a href="#">1071020000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190259228	
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/IH/RT WTL6/3	Version
Order No.	<a href="#">1778990000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4032248169665	
Qty.	50 ST	
Type	STB 21.6/IH/SW WTL6/3	Version
Order No.	<a href="#">1071040000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190859985	
Qty.	50 ST	

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## Accessories

## Accessorie



## Current and voltage transformer wiring

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## General ordering data

Type	STB 21.6/IH/VI WTL6/3	Version	
Order No.	<a href="#">1071030000</a>	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm	
GTIN (EAN)	4008190259235		
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		

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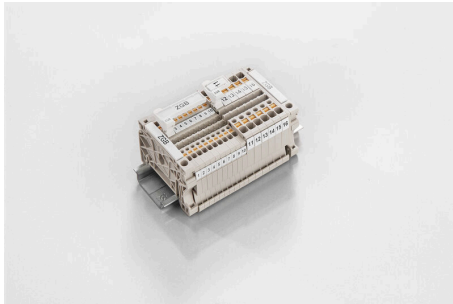
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## Accessories

## 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.

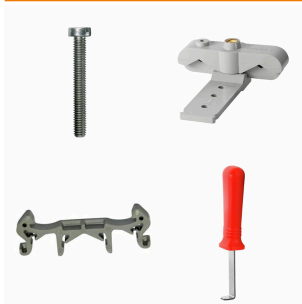
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

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	

## Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

## General ordering data

Type	KLSC M3X8 ZB4 H	Version
Order No.	<a href="#">1801990000</a>	Busbar (terminal), grey, Height: 9.5 mm, Depth: 5 mm
GTIN (EAN)	4032248254439	
Qty.	50 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.

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## Accessories

## 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

## 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		