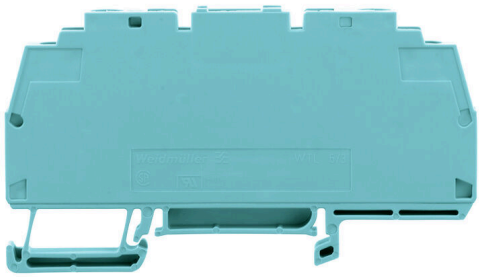
Data sheet

WTL 6/3 BL

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, 4 1, 2
Order No.	3183080000
Type	WTL 6/3 BL
GTIN (EAN)	4099987923767
Qty.	50 items

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
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	Continuous operating temperature, min.	-50 °C
Continuous operating temperature, 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	blue
UL 94 flammability rating	V-0		

System specifications

End cover plate required	No	Number of levels	1
Number of clamping points per level	2		

Additional technical data

Open sides	closed	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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
Conductor cross-section (rated connection), max.	10 mm²	Conductor cross-section (rated connection), min.	0.5 mm²
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 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
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

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Connection cross-section, stranded, min.	10 mm²	Torque level with DMS electric screwdriver	3
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

Rating data

Rated cross-section	6 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	41 A
Current at maximum wires	57 A	Contact resistance	0.78 mΩ
Power loss (IEC 60947-7-x)	1.31 mW	Surge voltage category	III
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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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.	1052360000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190075866	poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/3	Version
Order No.	1054760000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190174163	poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/4	Version
Order No.	1054860000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190180799	poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/5	Version
Order No.	1062660000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190176914	poles: 5, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/6	Version
Order No.	1062670000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190261771	poles: 6, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/7	Version
Order No.	1062680000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190261788	poles: 7, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/10	Version
Order No.	1052260000	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190153977	poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	20 ST	

Accessorie



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Accessories

General ordering data

Type	WAP WTL6/3	Version
Order No.	1879910000	End plate for terminals, dark beige, Height: 87 mm, Width: 2 mm, V-0,
GTIN (EAN)	4032248477074	Wemid, Snap-on: No
Qty.	20 ST	

Type	WKS 1/2	Version
Order No.	1604270000	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	

Type	WKS 1/3	Version
Order No.	1604290000	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.	1604310000	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	

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.	0299600000	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.	1604200000	Lockout device (terminal), orange
GTIN (EAN)	4008190080532	
Qty.	100 ST	

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Accessories

Type	STB 21.6/IH/BL WTL6/3	Version
Order No.	1071080000	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190043957	
Qty.	50 ST	
Type	STB 21.6/IH/DB WTL6/3	Version
Order No.	1071000000	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190259204	
Qty.	50 ST	
Type	STB 21.6/IH/GE WTL6/3	Version
Order No.	1071010000	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.	1071020000	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190259228	
Qty.	50 ST	
Type	STB 21.6/IH/RT WTL6/3	Version
Order No.	1778990000	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.	1071040000	Socket (terminal), Plug-in depth: 11.1 mm, 0.00 mm, Depth: 26.6 mm
GTIN (EAN)	4008190859985	
Qty.	50 ST	
Type	STB 21.6/IH/VI WTL6/3	Version
Order No.	1071030000	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.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 ST	

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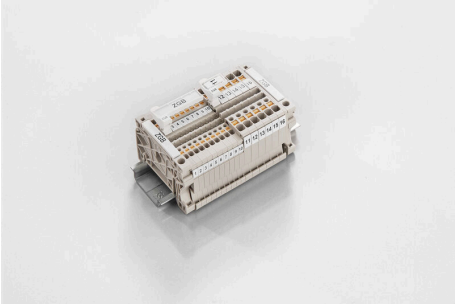
Accessories

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 ST	

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.	1636530000	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.	1611930000	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.	1801990000	Busbar (terminal), grey, Height: 9.5 mm, Depth: 5 mm
GTIN (EAN)	4032248254439	
Qty.	50 ST	

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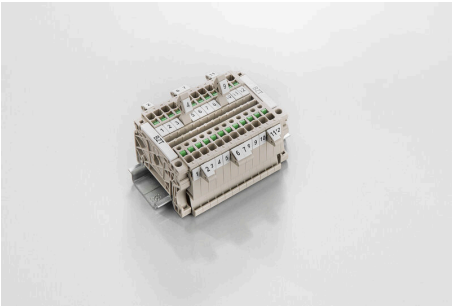
Accessories

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 snaped 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	

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 ST	