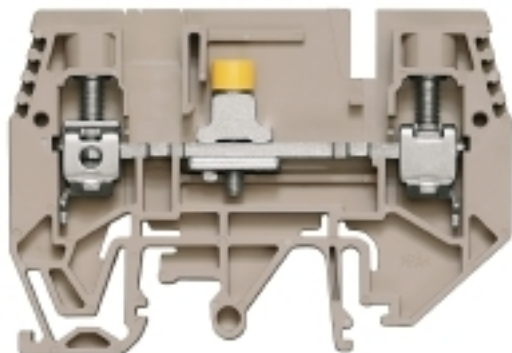


WTQ 6/1 EN**Weidmüller Interface GmbH & Co. KG**

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	Test-disconnect terminal, Screw connection, 6 mm ² , 500 V, 41 A, without, Cross-disconnect: sliding, Integral test socket: No, TS 35, TS 32, dark beige
Order No.	1934790000
Type	WTQ 6/1 EN
GTIN (EAN)	4032248592142
Qty.	50 pc(s).

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.87 inch
Height	65 mm	Height (inches)	2.559 inch
Width	7.9 mm	Width (inches)	0.311 inch
Net weight	20.927 g		

Temperatures

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

Material data

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
Levels cross-connected internally	No	PE connection	No
Rail	TS 35, TS 32	N-function	No
PE function	No	PEN function	No

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	2.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm ²

Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size B (CSA)	45 A
Current size C (CSA)	45 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm	Clamping range, max.	10 mm ²
Clamping range, min.	0.5 mm ²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Torque level with DMS electric screwdriver	3	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 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 with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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	34.5 mm
--------------	---------

Disconnect terminals

Cross-disconnect	sliding	Integral test socket	No
Slitting	without		

General

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

Rating data

Rated cross-section	6 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated 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

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

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ECLASS 9.0	27-14-11-26	ECLASS 9.1	27-14-11-26
ECLASS 10.0	27-14-11-26	ECLASS 11.0	27-14-11-26
ECLASS 12.0	27-14-11-26	ECLASS 13.0	27-25-01-09

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	0eb7d846-d0a1-43e5-93a4-d7c6856c4cda

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

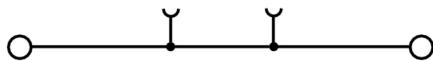
Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****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 pc(s).	

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

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 pc(s).	

Test sockets



The test socket is used to connect test devices with a standard 4.0 plug. Depending on the potential within the application, different colors of the test sockets can be selected for quick and easy maintenance work.

General ordering data

Type	STB 21.6/45 GR	Version
Order No.	1936280000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248606016	
Qty.	50 pc(s).	
Type	STB 21.6/45 GE	Version
Order No.	1936240000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248605972	
Qty.	50 pc(s).	

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

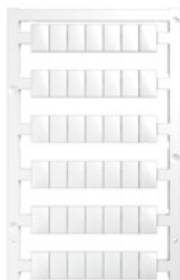
Germany

www.weidmueller.com

Accessories

Type	STB 21.6/45 BL	Version
Order No.	1936290000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248606023	
Qty.	50 pc(s).	
Type	STB 21.6/45 VI	Version
Order No.	1936260000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248605996	
Qty.	50 pc(s).	
Type	STB 21.6/45 DB	Version
Order No.	1938790000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248612840	
Qty.	50 pc(s).	
Type	STB 21.6/45 RT	Version
Order No.	1936300000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248606030	
Qty.	50 pc(s).	
Type	STB 21.6/45 SW	Version
Order No.	1936270000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248606009	
Qty.	50 pc(s).	
Type	STB 21.6/45 GN	Version
Order No.	1936250000	Socket (terminal), Plug-in depth: 11.1 mm, Depth: 45 mm
GTIN (EAN)	4032248605989	
Qty.	50 pc(s).	

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 12/8 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 pc(s).	

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

6 mm²


Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 6/10	Version
Order No.	1052260000	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190153977	Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow
Qty.	20 pc(s).	
Type	WQV 6/4	Version
Order No.	1054860000	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190180799	Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow
Qty.	50 pc(s).	
Type	WQV 6/3	Version
Order No.	1054760000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190174163	Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow
Qty.	50 pc(s).	
Type	WQV 6/2	Version
Order No.	1052360000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190075866	Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow
Qty.	50 pc(s).	

Shorting elements



The short current bridges are inserted into two instrument transformer wiring terminal blocks. By using the short-circuit bridge, the desired short-circuit could be realized within the application for maintenance work.

General ordering data

Type	WKB 1/4	Version
Order No.	1604320000	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190023713	Pitch in mm (P): 8.00, Insulated: Yes, 41 A, orange
Qty.	50 pc(s).	
Type	WKB 1/2	Version
Order No.	1604280000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190165338	Pitch in mm (P): 8.00, Insulated: Yes, 41 A, orange
Qty.	50 pc(s).	

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Type	WKB 1/3	Version
Order No.	1604300000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190010225	Pitch in mm (P): 8.00, Insulated: Yes, 41 A, orange
Qty.	50 pc(s).	

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 pc(s).	
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 pc(s).	

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

WTQ 6/1 EN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

End plate



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	WTW WTL6/1 DB	Version
Order No.	1068400000	Test adapter (terminal)
GTIN (EAN)	4008190091996	
Qty.	20 pc(s).	
Type	WAP WTL6/1 EN	Version
Order No.	1957710000	End plate (terminals), 65 mm x 1.5 mm, dark beige
GTIN (EAN)	4032248654024	
Qty.	20 pc(s).	

Connection sleeves



General ordering data

Type	VH 16.1/5/3.4	Version
Order No.	0309700000	Connecting sleeve (terminal), Height: 5 mm, Width: 5 mm, Depth: 16.1 mm, Cu Zn
GTIN (EAN)	4008190037024	
Qty.	50 pc(s).	