

**WTL 6/2****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 <sup>2</sup> , 500 V, 41 A, sliding, dark beige
Order No.	<a href="#">1017700000</a>
Type	WTL 6/2
GTIN (EAN)	4008 190166885
Qty.	50 pc(s).

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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	61 mm	Depth (inches)	2.402 inch
Depth including DIN rail	62 mm	Height	87 mm
Height (inches)	3.425 inch	Width	8 mm
Width (inches)	0.315 inch	Net weight	34.84 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, With sockets, 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
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

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

Cross-section for connected wire, stranded, two clampable wires, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>
Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm <sup>2</sup>		

## 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 C (CSA)	45 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

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## Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	1 Nm
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 <sup>2</sup>	Wire connection cross section, finely stranded, 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 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, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	sliding	Torque max. screw separator	0.7 Nm
Torque min. screw separator	0.5 Nm		

## General

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

## Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated 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 C (UR)	45 A
Voltage size C (UR)	300 V		

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## Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	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

## 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	<a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

