

**WTL 6/1 BL****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

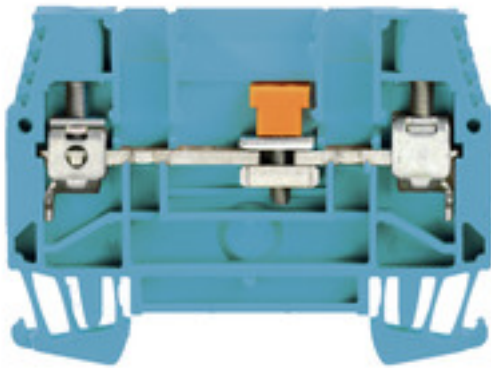
32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

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> , 630 V, 41 A, sliding, blue
Order No.	<a href="#">1016780000</a>
Type	WTL 6/1 BL
GTIN (EAN)	4032248064137
Qty.	50 pc(s).

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## Technical data

## Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.87 inch
Depth including DIN rail	48.5 mm	Height	65 mm
Height (inches)	2.559 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	20.98 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	blue
UL 94 flammability rating	V-0		

## System specifications

Version	Screw connection, Spacer, for screwable cross-connection, 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	N-function	Yes
PE function	No	PEN function	No

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

Cross-section for connected wire, solid, two clampable wires, max.	2.5 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, min.	0.5 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	right	Type of mounting	Snap-on

## CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	45 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

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M 3.5

on side

2

1.6 Nm

3

AWG 8

10 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>10 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>6 mm<sup>2</sup>

## 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, 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>		

## Dimensions

TS 35 offset 32.5 mm

## Disconnect terminals

Cross-disconnect	without	Integral test socket	No
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	630 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		

Creation date February 28, 2023 2:57:23 PM CET

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

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**Technical data**

**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

**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="#">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>

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**Drawings**