

## W-terminal with external tensioning WTR 4 STB SL BL

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At Weidmüller, new solutions for the energy sector are developed according to local or application-based installation requirements.

In some countries, control and protection of switching installations for transmission and distribution networks must comply with the EA-TS 50-18 standard. The standard prescribes "spring-loaded" terminals in conjunction with hook-blade cable lugs in order to ensure additional safety. The Weidmüller "spring-loaded" terminals of the WDU SL series and the disconnect terminals of the WTL SL series comply with this standard. In the SL versions, the clamping yoke is backed up by a helical spring. Furthermore, this arrangement permits two conductors to be connected to one terminal when the hook-blade cable lugs are placed back to back. The aim of this arrangement is to ensure good electrical contact even if someone forgets to tighten the clamping screw!

### General ordering data

Order No.	<a href="#">7910310000</a>
Type	WTR 4 STB SL BL
Version	W-terminal with external tensioning, Test-disconnect terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008190576738
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Length	61.5 mm	Width	6.1 mm
Height	46.5 mm	Height of lowest version	47 mm
Net weight	14.7 g		

**Temperatures**

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

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Screw connection, Disconnection element, with sockets, for plug-in cross-connector, One end without connector		

**CSA ratings data**

Certificate No. (CSA)	200039-1057876	Voltage size D (CSA)	300 V
Current size D (CSA)	10 A	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	22 AWG		

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm <sup>2</sup>
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**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	13 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.22 mm <sup>2</sup>
Clamping range, rated connection, max.	6 mm <sup>2</sup>	Clamping screw	M 3
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Torque level with DMS electric screwdriver	2	Gauge to IEC 60947-1	A4
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	6 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 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, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 10

**Dimensions**

TS 35 offset	24.5 mm
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**Technical data**
**Rated data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	300 V
Current size C (UR)	22 A	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	10 AWG

**Material data**

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

**System specifications**

Product family	W-terminal with external tensioning	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

**Classifications**

ETIM 2.0	EC000902	ETIM 3.0	EC000902
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-31
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-26
eClass 7.1	27-14-11-26		

**Product information**

Descriptive text technical data	UL/CSA 600 V possible with end plate WAP or WTW partition plate.
Descriptive text accessories	Hook-shaped cable lugs 1 - 2.5 mm <sup>2</sup> (black) order no. 9036290000 (100 pcs)

**Approvals**

Approvals



ROHS Conform

**Data sheet...**

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**Drawings**

