

W-terminal with external tensioning WTL 6 SL

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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.	1161690000
Type	WTL 6 SL
Version	W-terminal with external tensioning, Test-disconnect terminal, Rated cross-section: 6 mm ² , Screw connection
GTIN (EAN)	4032248950812
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Length	82.7 mm	Width	7.9 mm
Height	50 mm	Height of lowest version	50.5 mm
Net weight	29.46 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	Open sides	right
Type of mounting		Version	Screw connection, Special terminal longitudinal isolator, with spring-loaded cable clamp, with sockets. One end without connector
	Snap-on		

Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	16 mm
Blade size	4.0 x 0.8 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	10 mm ²	Clamping screw	M 3.5
Tightening torque, min.	1 Nm	Gauge to IEC 60947-1	A5
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	10 mm ²
Wire connection cross section, stranded, rated connection, min.	1.5 mm ²	Wire connection cross section, stranded, rated connection, max.	10 mm ²
Wire connection cross section, finely stranded, max.	6 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Dimensions

TS 35 offset	32 mm
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Rated data

Rated cross-section	6 mm ²	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Pollution severity	3	Surge voltage category	III

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

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Technical data

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 3.0	EC000902	eClass 6.2	27-14-11-26
eClass 7.1	27-14-11-26		

Product information

Descriptive text ordering data	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).
Descriptive text technical data	Rated data ESI: 500 V / 24 A.

Approvals

Approvals



ROHS	Conform
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Data sheet...

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Drawings

