

## W-terminal with external tensioning WDU 10 SL SW

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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

Type	WDU 10 SL SW
Order No.	<a href="#">9537400000</a>
Version	W-terminal with external tensioning, Feed-through terminal, Rated cross-section: 10 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4032248037391
Qty.	50 pc(s).

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### Technical data

#### Dimensions and weights

Length	60 mm	Width	9.9 mm
Height	46.25 mm	Height of lowest version	47 mm
Weight	21.11 g	Net weight	21.11 g

#### Temperatures

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

#### Rated data IECEx/ATEX

Certificate No. (ATEX)	SIRA02ATEX3242U	ATEX certificate	
ATEX certificate	SIRA02ATEX3242U_e.pdf	Certificate No. (IECEx)	IECExSIR05.0040U
IEC Ex certificate	IECExSIR05.0040U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	50 A	Wire cross section max. (ATEX)	10 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

#### Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Screw connection, with spring-loaded cable clamp, for screwable cross-connection, One end without connector		

#### CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Voltage size D (CSA)	600 V
Current size B (CSA)	65 A	Current size C (CSA)	65 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

#### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm <sup>2</sup>
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**Technical data****Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	17 mm
Blade size	1.0 x 5.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	1.31 mm <sup>2</sup>
Clamping range, rated connection, max.	16 mm <sup>2</sup>	Clamping screw	M 4
Tightening torque, min.	1.2 Nm	Tightening torque, max.	2.4 Nm
Torque level with DMS electric screwdriver	4	Gauge to IEC 60947-1	A6
Wire connection cross section, solid core, max. rated connection	1.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	16 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.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	6 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	1 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 6

**Rated data**

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	57 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	150 V
Current size C (UR)	50 A	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	8 AWG

**Material data**

Material	Wemid	Colour	Black
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	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-31
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-90
eClass 7.1	27-14-11-90		

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**Technical data****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	ESI rated data: 500 V/36 A / 16 mm <sup>2</sup> stranded connection must be tightened with 2 Nm.

**Approvals**

Approvals



ROHS

Conform

**Data sheet...**

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**Drawings**

