

WDU 10 SL/EN SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	W-Series, Feed-through terminal, Rated cross-section: 10 mm², Screw connection
Order No.	9537410000
Type	WDU 10 SL/EN SW
GTIN (EAN)	4032248037407
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	51.1 mm	Depth (inches)	2.012 inch
Height	56.6 mm	Height (inches)	2.228 inch
Net weight	23.68 g	Weight	21.84 g
Width	9.9 mm	Width (inches)	0.39 inch

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	550 V	Current (ATEX)	55 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	55 A	Wire cross section max. (IECEX)	10 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

Version	Screw connection, with spring-loaded cable clamp, 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 32, TS 35	N-function	No
PE function	No	PEN function	No

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

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	4 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm ²

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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CSA rating data

Certificate No. (CSA)	200039-1057876
Current size D (CSA)	5 A
Voltage size D (CSA)	600 V
Wire cross section min. (CSA)	16 AWG

Current size C (CSA)	65 A
Voltage size C (CSA)	300 V
Wire cross section max. (CSA)	6 AWG

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, min.	1.31 mm ²
Connection cross-section, stranded, max.	16 mm ²
Connection direction	on side
Number of connections	2
Tightening torque, max.	2.4 Nm
Torque level with DMS electric screwdriver	4
Wire connection cross section AWG, max.	AWG 6
Wire connection cross section, finely stranded, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²

Clamping range, max.	16 mm ²
Clamping screw	M 4
Connection cross-section, stranded, min.	1.5 mm ²
Gauge to IEC 60947-1	A6
Stripping length	17 mm
Tightening torque, min.	1.2 Nm
Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²
Wire connection cross-section, solid core, max.	16 mm ²

General

Rail	TS 32, TS 35
Wire connection cross section AWG, max.	AWG 6

Standards	IEC 60947-7-1
Wire connection cross section AWG, min.	AWG 16

Rating data

Power loss in accordance with IEC 60947-7-x	1.82 W
Rated voltage	630 V
Current at maximum wires	76 A
Volume resistance according to IEC 60947-7-x	0.56 mΩ
Pollution severity	2

Rated cross-section	10 mm ²
Rated current	57 A
Standards	IEC 60947-7-1
Rated impulse withstand voltage	6 kV

UL rating data

Certificate No. (UR)	E60693
Conductor size Factory wiring min. (UR)	16 AWG
Conductor size Field wiring min. (UR)	16 AWG
UL_current_Print	50 A
UL_wire_max_Print	8 AWG
Voltage size C (UR)	600 V

Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Field wiring max. (UR)	8 AWG
Current size C (UR)	50 A
UL_voltage_Print	600 V
UL_wire_min_Print	16 AWG

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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate EAC certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 10 SL/EN StorageConditionsTerminalBlocks

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Drawings

