Data sheet

WDU 10 SL STB 14

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, dark beige, 10 mm², 57 A, 500 V, Number of connections: 2
Order No.	2500950000
Type	WDU 10 SL STB 14
GTIN (EAN)	4050118514216
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	46.25 mm	Depth (inches)	1.8209 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	9.9 mm
Width (inches)	0.3898 inch	Net weight	23.33 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	6c	
REACH SVHC	Lead 7439-92-1	
SCIP	a4720f28-c1be-43c4-a115-55415c294bda	
Product Carbon Footprint	Cradle to gate	0.157 kg CO2 eq.

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Explosion-tested version	Yes
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 6
Connection direction	on side	Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.2 Nm	Stripping length	17 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	10 mm²	Clamping range, min.	1.31 mm²
Clamping screw	M 4	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.31 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.31 mm²	Wire connection cross-section, finely stranded, max.	6 mm²
Wire connection cross section, finely stranded, min.	1.31 mm²	Connection cross-section, stranded, max.	10 mm²
Connection cross-section, stranded, min.	1.31 mm²	Torque level with DMS electric screwdriver	4
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	1.31 mm²
Connection cross-section, finely stranded (rated connection), min.	1.31 mm²		

General

Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	10 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	57 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Volume resistance	0.56 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings

