

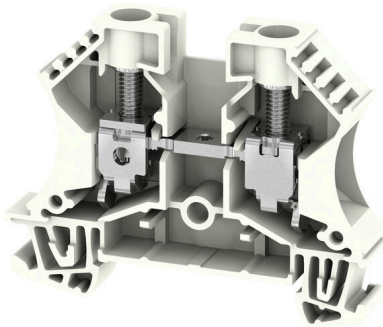
WDU 10 WS**Weidmüller Interface GmbH & Co. KG**

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, white, 10 mm ² , 57 A, 1000 V, Number of connections: 2
Order No.	1833380000
Type	WDU 10 WS
GTIN (EAN)	4050118044904
Qty.	50 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 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	15.73 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 without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0,154 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	white
UL 94 flammability rating	V-0		

Rating data IECEX/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	57 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	57 A	Wire cross section max. (IECEX)	10 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, 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

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Additional technical data

Explosion-tested version	No	Type of mounting	Snap-on
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CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	18 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 6
Connection direction	on side
Tightening torque, max.	1.9 Nm
Tightening torque, min.	1.2 Nm
Stripping length	12 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	16 mm ²
Clamping range, min.	1.31 mm ²
Clamping screw	M 4
Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.31 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.31 mm ²
Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, finely stranded, min.	1.31 mm ²
Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min.	1.31 mm ²
Twin wire-end ferrules, max.	6 mm ²
Twin wire-end ferrules, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	1.31 mm ²
Connection cross-section, finely stranded, min.	1.31 mm ²

Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U
		min.	1.5 mm ²
		max.	16 mm ²

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	nominal	10 mm ²
wire end ferrule	Stripping length	min. 12 mm
		max. 12 mm
		nominal 12 mm
	Tightening torque	min. 1.2 Nm
max. 1.9 Nm		
Connection specification		Screw connection
Cross-section for conductor connection	Type	stranded, H07V-R
	min.	1.5 mm ²
	max.	16 mm ²
	nominal	10 mm ²
wire end ferrule	Stripping length	min. 12 mm
		max. 12 mm
		nominal 12 mm
	Tightening torque	min. 1.2 Nm
max. 1.9 Nm		
Connection specification		Screw connection
Cross-section for conductor connection	Type	flexible, H05(07) V-K
	min.	1.5 mm ²
	max.	16 mm ²
	nominal	10 mm ²
wire end ferrule	Stripping length	min. 12 mm
		max. 12 mm
		nominal 12 mm
	Tightening torque	min. 1.2 Nm
max. 1.9 Nm		

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 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	57 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Power loss in accordance with IEC 60947-7-x	1.82 W

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		

Drawings

