

WDU 2.5/10 BEZ/NE**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	Single- and multi-pole terminal strip, Screw connection, dark beige, 2.5 mm ² , 24 A, 500 V, Number of connections: 2, Number of levels: 1
Order No.	1020800000
Type	WDU 2.5/10 BEZ/NE
GTIN (EAN)	4008190133368
Qty.	10 items

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Height	60 mm	Height (inches)	2.3622 inch
Width	51 mm	Width (inches)	2.0079 inch
Net weight	77.8 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	0,66 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	dark beige
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)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 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 plug-in cross-connector, 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

Open sides	right	Number of similar terminals	10
Explosion-tested version	Yes	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²	Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12		
Connection direction	on side		
Stripping length	10 mm		
Type of connection 2	Screw connection		
Type of connection	Screw connection		
Number of connections	2		
Clamping range, max.	4 mm ²		
Clamping range, min.	0.05 mm ²		
Clamping screw	M 2.5		
Wire connection cross section AWG, min.	AWG 30		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm ²		
Wire connection cross section, finely stranded, max.	4 mm ²		
Wire connection cross section, finely stranded, min.	0.05 mm ²		
Connection cross-section, stranded, max.	4 mm ²		
Connection cross-section, stranded, min.	0.05 mm ²		
Twin wire-end ferrules, max.	1.5 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
Torque level with DMS electric screwdriver	1		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0.05 mm ²		
Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U

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	min.	0.5 mm ²
	max.	4 mm ²
	nominal	2.5 mm ²
wire end ferrule	Stripping length	min. 10 mm
		max. 10 mm
		nominal 10 mm
Tightening torque	min. 0.4 Nm	
	max. 0.8 Nm	
Connection specification		Screw connection
Cross-section for conductor connection	Type	stranded, H07V-R
	min.	1.5 mm ²
	max.	4 mm ²
	nominal	2.5 mm ²
wire end ferrule	Stripping length	min. 10 mm
		max. 10 mm
		nominal 10 mm
Tightening torque	min. 0.4 Nm	
	max. 0.8 Nm	
Connection specification		Screw connection
Cross-section for conductor connection	Type	flexible, H05(07) V-K
	min.	0.5 mm ²
	max.	2.5 mm ²
	nominal	2.5 mm ²
wire end ferrule	Stripping length	min. 10 mm
		max. 10 mm
		nominal 10 mm
Tightening torque	min. 0.4 Nm	
	max. 0.8 Nm	

General

Number of poles	10	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W		

Classifications

ETIM 8.0	EC001284	ETIM 9.0	EC001284
ETIM 10.0	EC001284	ECLASS 14.0	27-14-11-06
ECLASS 15.0	27-14-11-06		

Drawings

