

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 pc(s).

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 inch	Width	9.9 mm
Width (inches)	0.39 inch	Net weight	15.734 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

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
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

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

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

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Technical data

Wire connection cross section, finely stranded, min.	1.5 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.	1.5 mm ²
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.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²

General

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

Rating data

Rated cross-section	10 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V	Rated 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 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Cradle to gate

0.369 kg CO₂eq.

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	de.myview.objectmodel.impl.BlockImpl@433a7117

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Technical data

Approvals

Approvals



Approvals MAMID

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ROHS

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[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[NTI IECEX WDU-WPE 10.pdf](#)
[StorageConditionsTerminalBlocks](#)

Catalogues

[Catalogues in PDF-format](#)

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Drawings

