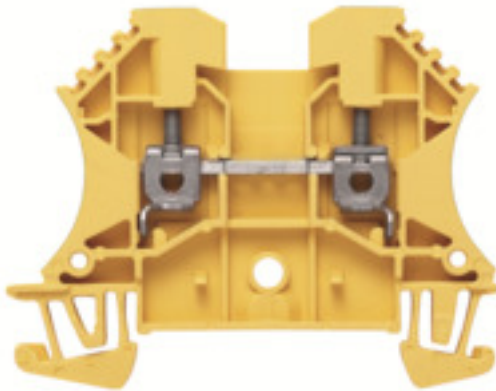


WDU 2.5 GE/SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Protective earth terminal blocks for the functional earth ensure electromagnetic compatibility within an electrical system. Our portfolio ranges from terminal blocks with one or more connections to various rated cross-sections.

General ordering data

Version	Feed-through terminal block, Screw connection, black/yellow, 2.5 mm ² , 24 A, 800 V, Number of connections: 2
Order No.	2429520000
Type	WDU 2.5 GE/SW
GTIN (EAN)	4050118439076
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Height	60 mm	Height (inches)	2.362 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	7.51 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	black/yellow
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
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

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Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		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	
		Recommended wire-end ferrule			
		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	
		Recommended wire-end ferrule			
		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		
	Recommended wire-end ferrule				
	Clamping range, max.		4 mm ²		
Clamping range, min.		0.05 mm ²			
Clamping screw		M 2.5			
Connection cross-section, stranded, max.		4 mm ²			
Connection cross-section, stranded, min.		1.5 mm ²			
Connection direction		on side			
Gauge to IEC 60947-1		A3			
Number of connections		2			
Stripping length		10 mm			
Tightening torque, max.		0.8 Nm			
Tightening torque, min.		0.4 Nm			
Torque level with DMS electric screw-driver		1			
Twin wire-end ferrules, max.		1.5 mm ²			
Twin wire-end ferrules, min.		0.5 mm ²			
Type of connection		Screw connection			
Wire connection cross section AWG, max.		AWG 12			
Wire connection cross section AWG, min.		AWG 30			
Wire connection cross section, finely stranded, max.		4 mm ²			

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Technical data

Wire connection cross section, finely stranded, min.	0.5 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.	0.5 mm ²
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.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	24 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

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

0.086 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@613280ac

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Technical data

Approvals

Approvals



Approvals MAMID

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[16-AV4BO-0265U.](#)
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[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[NTI WDU/WPE 2.5.pdf](#)
[StorageConditionsTerminalBlocks](#)

Catalogues

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Brochures

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Drawings

