

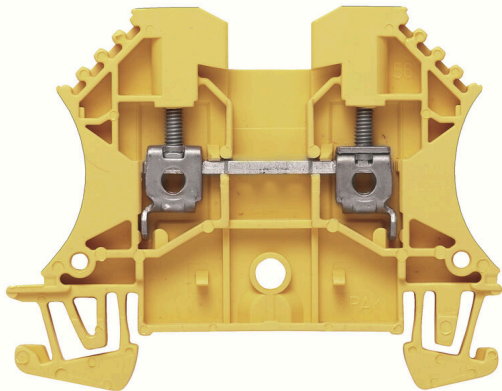
**WDU 2.5 GE/SW****Weidmüller Interface GmbH & Co. KG**

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 <sup>2</sup> , 24 A, 800 V, Number of connections: 2
Order No.	<a href="#">2429520000</a>
Type	WDU 2.5 GE/SW
GTIN (EAN)	4050118439076
Qty.	100 items

## WDU 2.5 GE/SW

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## 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	5.1 mm	Width (inches)	0.2008 inch
Net weight	7.51 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	0,066 kg CO2 eq.	

### Material data

Basic 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 <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>
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

### Additional technical data

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

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### Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	on side
Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm
Stripping length	10 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
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 <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.05 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.05 mm <sup>2</sup>
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>
Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.05 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.05 mm <sup>2</sup>

Clampable conductor	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
min.		0.5 mm <sup>2</sup>		
max.		4 mm <sup>2</sup>		
nominal		2.5 mm <sup>2</sup>		
wire end ferrule	Stripping length	min.	10 mm	
		max.	10 mm	
		nominal	10 mm	
Tightening torque	min.	0.4 Nm		
	max.	0.8 Nm		

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

### General

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 <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal 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 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**

