

WDU 16 GE/SW**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

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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, Screw connection, 16 mm ² , 1000 V, 76 A, black/yellow
Order No.	2000040000
Type	WDU 16 GE/SW
GTIN (EAN)	4050118444537
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	60 mm
Height (inches)	2.362 inch	Width	11.9 mm
Width (inches)	0.469 inch	Net weight	29.46 g

Temperatures

Storage temperature		Operating temperature range	Operating temperature range: see EC-type examination certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °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)	76 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	76 A	Wire cross section max. (IECEX)	16 mm ²
Operating temperature range	Operating temperature range: see EC-type examination certificate / IEC Ex-Certificate of Conformity	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	Yes

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
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Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	1.5 mm ²	
		max.	25 mm ²	
	wire end ferrule	Stripping length	min.	16 mm
			max.	16 mm
			nominal	16 mm
	Tightening torque	min.	3 Nm	
		max.	4 Nm	
	Recommended wire-end ferrule			
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R	
min.		1.5 mm ²		
max.		25 mm ²		
nominal		16 mm ²		
wire end ferrule	Stripping length	min.	16 mm	
		max.	16 mm	
		nominal	16 mm	
Tightening torque	min.	3 Nm		
	max.	4 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.	25 mm ²		
	nominal	16 mm ²		
wire end ferrule	Stripping length	min.	16 mm	
		max.	16 mm	
		nominal	16 mm	
Tightening torque	min.	3 Nm		
	max.	4 Nm		
Recommended wire-end ferrule				
Clamping range, max.	25 mm ²			
Clamping range, min.	0.82 mm ²			
Clamping screw	M 5			
Connection cross-section, stranded, max.	25 mm ²			
Connection cross-section, stranded, min.	1.5 mm ²			
Connection direction	on side			
Gauge to IEC 60947-1	B7			
Number of connections	2			
Stripping length	16 mm			
Tightening torque, max.	4 Nm			
Tightening torque, min.	3 Nm			
Twin wire-end ferrules, max.	10 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 14			
Wire connection cross section, finely stranded, max.	25 mm ²			
Wire connection cross section, finely stranded, min.	1.5 mm ²			

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 16 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 1.5 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 16 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 1.5 mm²

Wire connection cross-section, solid core, max. 16 mm²

Wire connection cross-section, solid core, min. 1.5 mm²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14

Rating data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	Rated current	76 A
Current at maximum wires	101 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	2.43 W	Pollution severity	3

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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

Approvals

Approvals



ROHS

Conform

Data sheet

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate CB Testreport CB Certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 16.pdf StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

