

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Shielding and earthing**

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

General ordering data

Version	Feed-through terminal, Screw connection, 16 mm ² , 1000 V, 76 A, yellow, black
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	Net weight	29.46 g
Width	11.9 mm	Width (inches)	0.469 inch

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	yellow, black
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.	16 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	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			

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
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Wire connection cross-section, solid core, max.	16 mm ²
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Wire connection cross-section, solid core, min.	1.5 mm ²
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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

Power loss in accordance with IEC 60947-7-x	2.43 W	Rated cross-section	16 mm ²
Rated voltage	1,000 V	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
Pollution severity	3		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
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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
	Declaration of Conformity
	ATEX Certificate
	Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 16.pdf
	StorageConditionsTerminalBlocks