

WDU 35 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, Screw connection, 35 mm ² , 1000 V, 125 A, yellow, black
Order No.	2000060000
Type	WDU 35 GE/SW
GTIN (EAN)	4050118444544
Qty.	40 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	16 mm
Width (inches)	0.63 inch	Net weight	51.38 g

Temperatures

Storage temperature	-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)	115 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	115 A	Wire cross section max. (IECEX)	35 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	Yes

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm
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Clampable conductor	Connection specification		Screw connection				
	Cross-section for conductor connection	Type	solid, H05(07) V-U				
		min.	2.5 mm ²				
		max.	16 mm ²				
		nominal	35 mm ²				
	wire end ferrule	Stripping length	min.	18 mm			
			max.	18 mm			
			nominal	18 mm			
		Tightening torque	min.	4 Nm			
			max.	5 Nm			
		Recommended wire-end ferrule					
	Connection specification		Screw connection				
	Cross-section for conductor connection	Type	stranded, H07V-R				
		min.	2.5 mm ²				
		max.	50 mm ²				
		nominal	35 mm ²				
	wire end ferrule	Stripping length	min.	18 mm			
			max.	18 mm			
			nominal	18 mm			
		Tightening torque	min.	4 Nm			
			max.	5 Nm			
		Recommended wire-end ferrule					
	Connection specification		Screw connection				
	Cross-section for conductor connection	Type	flexible, H05(07) V-K				
		min.	2.5 mm ²				
		max.	35 mm ²				
		nominal	35 mm ²				
	wire end ferrule	Stripping length	min.	18 mm			
			max.	18 mm			
			nominal	18 mm			
		Tightening torque	min.	4 Nm			
			max.	5 Nm			
		Recommended wire-end ferrule					
Clamping range, max.	50 mm ²						
Clamping range, min.	2.5 mm ²						
Clamping screw	M 6						
Connection cross-section, stranded, max.	50 mm ²						
Connection cross-section, stranded, min.	2.5 mm ²						
Connection direction	on side						
Gauge to IEC 60947-1	B8						
Number of connections	2						
Stripping length	18 mm						
Tightening torque, max.	5 Nm						
Tightening torque, min.	4 Nm						
Twin wire-end ferrules, max.	16 mm ²						
Twin wire-end ferrules, min.	1.5 mm ²						
Type of connection	Screw connection						
Wire connection cross section AWG, max.	AWG 2						
Wire connection cross section AWG, min.	AWG 12						
Wire connection cross section, finely stranded, max.	35 mm ²						
Wire connection cross section, finely stranded, min.	2.5 mm ²						

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 35 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 2.5 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 35 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 2.5 mm²

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

Wire connection cross-section, solid core, min. 2.5 mm²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	Rated current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4 W	Pollution severity	3
Surge voltage category	III		

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

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Approval/Certificate/Document of Conformity	Attestation of Conformity
	IECEX Certificate
	UKCA Ex Attestation of Conformity
	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
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 35.pdf
	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

