

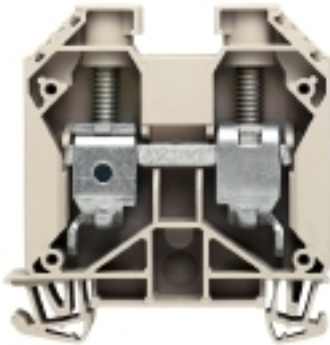
**WDU 35/IK/ZA****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

Version	Feed-through terminal, Screw connection, 35 mm <sup>2</sup> , 1000 V, 125 A, dark beige
Order No.	<a href="#">1029000000</a>
Type	WDU 35/IK/ZA
GTIN (EAN)	4008 190 124045
Qty.	25 pc(s).

Creation date February 17, 2023 11:29:36 AM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

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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	52.44 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	dark beige
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 <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	115 A	Wire cross section max. (IECEX)	35 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 screwable cross-connection, With assembly peg, 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

### 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, stranded, two clampable wires, max.	16 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, min.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	16 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	16 mm <sup>2</sup>

### Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

### CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	150 A
Voltage size C (CSA)	600 V	Wire cross section min. (CSA)	12 AWG

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## Technical data

### Conductors for clamping (rated connection)

Blade size		S4 (DIN 6911)		
Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	2.5 mm <sup>2</sup>	
		max.	16 mm <sup>2</sup>	
		nominal	35 mm <sup>2</sup>	
	wire end ferrule	Stripping length	min.	18 mm
			max.	18 mm
			nominal	18 mm
		Tightening torque	min.	4 Nm
	max.		6 Nm	
	Recommended wire-end ferrule			
	Connection specification	Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R		
	min.	2.5 mm <sup>2</sup>		
	max.	50 mm <sup>2</sup>		
	nominal	35 mm <sup>2</sup>		
wire end ferrule	Stripping length	min.	18 mm	
		max.	18 mm	
		nominal	18 mm	
	Tightening torque	min.	4 Nm	
max.		6 Nm		
Recommended wire-end ferrule				
Connection specification	Screw connection			
Cross-section for conductor connection	Type	flexible, H05(07) V-K		
	min.	2.5 mm <sup>2</sup>		
	max.	35 mm <sup>2</sup>		
	nominal	35 mm <sup>2</sup>		
wire end ferrule	Stripping length	min.	18 mm	
		max.	18 mm	
		nominal	18 mm	
	Tightening torque	min.	4 Nm	
max.		6 Nm		
Recommended wire-end ferrule				
Clamping range, max.	50 mm <sup>2</sup>			
Clamping range, min.	2.5 mm <sup>2</sup>			
Clamping screw	M 6			
Connection cross-section, stranded, max.	50 mm <sup>2</sup>			
Connection cross-section, stranded, min.	2.5 mm <sup>2</sup>			
Connection direction	on side			
Gauge to IEC 60947-1	B8			
Number of connections	2			
Stripping length	18 mm			
Tightening torque, max.	6 Nm			
Tightening torque, min.	4 Nm			
Twin wire-end ferrules, max.	16 mm <sup>2</sup>			
Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>			
Type of connection	Screw connection			
Wire connection cross section AWG, max.	AWG 10			
Wire connection cross section AWG, min.	AWG 12			

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**Technical data**

Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>

**General**

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 12

**Rating data**

Rated cross-section	35 mm <sup>2</sup>	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

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring min. (UR)	12 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size B (UR)	150 A
Current size C (UR)	150 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Wire cross section max. (UR)	0 AWG
Wire cross section min. (UR)	12 AWG		

**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

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">IECEX Certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">NEMKO certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">NTI WDU/WPE 35.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

