

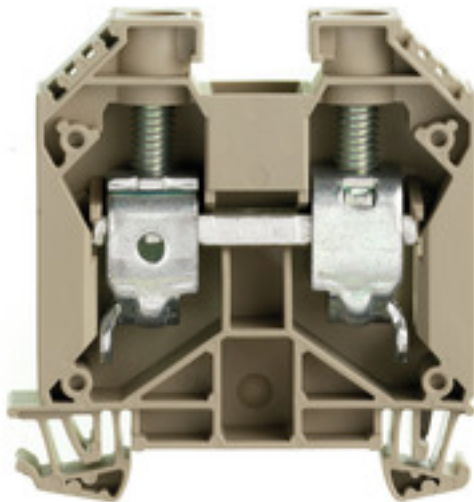
**WDU 35****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

**General ordering data**

Version	Feed-through terminal, Screw connection, 35 mm <sup>2</sup> , 1000 V, 125 A, dark beige
Order No.	<a href="#">1020500000</a>
Type	WDU 35
GTIN (EAN)	4008190077013
Qty.	40 pc(s).

Creation date February 13, 2022 10:54:25 AM CET

Catalogue status 03.02.2022 / We reserve the right to make technical changes.

## WDU 35

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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	Weight	54 g
Net weight	51.38 g		

### Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test 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	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>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

### 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

### 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>

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## Technical data

### 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

### Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm			
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.		5 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.	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 <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.		5 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			

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**Technical data**

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 <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 2
Wire connection cross section AWG, min.	AWG 12
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 2	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
Surge voltage category	III		

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	0 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	0 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	150 A
Voltage size C (UR)	1000 V		

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## Technical data

### 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		

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <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="#">INMETRO certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">POLSKIREJ 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>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, 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**

