

**WPD 133 1X300/1X300 GY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option. Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

**General ordering data**

Version	Potential distributor terminal, Screw connection, Light Grey, 300 mm <sup>2</sup> , 520 A, 1000 V, Number of levels: 1, TS 35, V-0, Wemid
Order No.	<a href="#">2502850000</a>
Type	WPD 133 1X300/1X300 GY
GTIN (EAN)	4050118516678
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Depth	83.5 mm	Depth (inches)	3.287 inch
Height	118 mm	Height (inches)	4.646 inch
Width	45 mm	Width (inches)	1.772 inch
Net weight	338 g		

**Temperatures**

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

**Material data**

Material	Wemid	Colour	Light Grey
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	CNEX18ATEX0016U	Certificate No. (IECEX)	IECEXCNEX18.0010U
Max. voltage (ATEX)	1100 V	Current (ATEX)	520 A
Wire cross section max. (ATEX)	300 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	520 A		

**System specifications**

Version	Screw connection	End cover plate required	No
Number of levels	1	Number of clamping points per level	2
Levels cross-connected internally	No	Rail	TS 35

**Additional technical data**

Explosion-tested version	Yes	Installation advice	Terminal rail / mounting plate
Type of mounting	Snap-on		

**Conductors for clamping (additional connection)**

Connection type, additional connection Screw connection

**Conductors for clamping (rated connection)**

Connection cross-section, stranded, max.	300 mm <sup>2</sup>	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section, finely stranded, max.	300 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	240 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	300 mm <sup>2</sup>

**General**

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	TS 35	Standards	IEC 60947-7-1, UL 1059, CSA

Creation date July 23, 2024 10:49:34 AM CEST

Catalogue status 23.07.2024 / We reserve the right to make technical changes.

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**Technical data**

**Rating data**

Rated cross-section	300 mm <sup>2</sup>	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	520 A	Standards	IEC 60947-7-1, UL 1059, CSA
Volume resistance according to IEC 60947-7-x	0.06 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	16.64 W	Short-time withstand current resistance	8/20µs with 50 kA
Pollution severity	3	Surge voltage category	III

**UL rating data**

Certificate No. (cURus)	E60693
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**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27-25-01-19
ECLASS 14.0	27-25-01-19		

**Environmental Product Compliance**

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

**Important note**

Product information	You will find additional information in the downloadsection of the onlinecatalogue
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**Approvals**

Approvals



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

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## Technical data

### Downloads

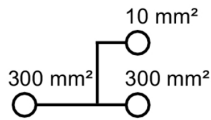
Approval/Certificate/Document of Conformity	<a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">CB Certificate</a> <a href="#">FIMKO certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">IECEx Certificate</a> <a href="#">DNV Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">LMP 23.0563U- WPD (Rev. 0)</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">DATA SHEET WPD 133</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI WPD 133</a> <a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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# Drawings



**Conductor connection data according to IEC 60947-7-1 (Cu)**

Input (x1) / Output (x1)	Copper		Aluminum	
	Stranded	Solid	Stranded	Solid
300 mm <sup>2</sup>	45 Nm	45 Nm	65 Nm	65 Nm
240 mm <sup>2</sup>				
185 mm <sup>2</sup>				
150 mm <sup>2</sup>				
120 mm <sup>2</sup>				
95 mm <sup>2</sup>				
70 mm <sup>2</sup>				
50 mm <sup>2</sup>				
35 mm <sup>2</sup>				
Flat band 10x20x1 mm			65 Nm	340 A
Max. current with 2 x 300 mm <sup>2</sup> (acc. to IEC)	1040 A		340 A	
Stripping lengths	34 mm			
Allen screw	M24 (SW 12 mm)			

**Auxiliary connection**

	Copper	
	Stranded	Solid
10 mm <sup>2</sup>		
6 mm <sup>2</sup>		
4 mm <sup>2</sup>	1,2 Nm	1,2 Nm
2,5 mm <sup>2</sup>		
1,5 mm <sup>2</sup>		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	

**Conductor connection data according to UL 1059 (Al+Cu)**

Input (x1) / Output (x1)	Copper		Aluminum	
	Stranded	Solid	Stranded	Solid
600 kcmil				
500 kcmil				
350 kcmil	300 lb In.		575 lb In.	575 lb In.
300 kcmil				
250 kcmil				
AWG 3/0				
AWG 2/0	200 lb In.			
AWG 1				
AWG 2				
Max. current at 1 x 300 mm <sup>2</sup> (acc. to UL)	420 A		340 A	
Stripping lengths	34 mm			
Allen screw	M24 (SW 12 mm)			

**Auxiliary connection**

	Copper	
	Stranded	Solid
AWG 8		
AWG 10		
AWG 12	20.3 lb In.	20.3 lb In.
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	

