

**WPD 132 1X185/1X185 GN****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, green, 185 mm <sup>2</sup> , 353 A, 1000 V, Number of connections: 2, Number of levels: 1
Order No.	<a href="#">2502770000</a>
Type	WPD 132 1X185/1X185 GN
GTIN (EAN)	4050118516593
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	73.5 mm	Depth (inches)	2.8937 inch
Height	105 mm	Height (inches)	4.1338 inch
Width	37.5 mm	Width (inches)	1.4764 inch
Net weight	204 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	green
UL 94 flammability rating	V-0		

Rating data IECEX/ATEX

Certificate No. (ATEX)	CNEX18ATEX0016U	Certificate No. (IECEX)	IECEXNEX18.0010U
Max. voltage (ATEX)	1100 V	Current (ATEX)	353 A
Wire cross section max. (ATEX)	185 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	353 A		

System specifications

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

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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**Conductors for clamping (rated connection)**

Wire connection cross section AWG, max.	kcmil 300	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	2	Clamping range, max.	185 mm <sup>2</sup>
Clamping range, min.	25 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	25 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	25 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	185 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	25 mm <sup>2</sup>	Connection cross-section, stranded, max.	185 mm <sup>2</sup>
Connection cross-section, stranded, min.	25 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	185 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	25 mm <sup>2</sup>		

**General**

Number of poles	1	Wire connection cross section AWG, max.	kcmil 300
Installation advice	Terminal rail / mounting plate	Wire connection cross section AWG, min.	AWG 16
Standards	IEC 60947-7-1, UL 1059, CSA	Mounting rail	TS 35

**Rating data**

Rated cross-section	185 mm <sup>2</sup>	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1000 V
Nominal current	353 A	Current at maximum wires	353 A
Standards	IEC 60947-7-1, UL 1059, CSA	Volume resistance according to IEC 60947-7-x	0.09 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	11.30 W
Short-time withstand current resistance	8/20μs with 50 kA	Surge voltage category	III
Pollution severity	3		

**Important note**

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

**Classifications**

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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Drawings

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

Input (x1) / Output (x1)	Copper		Aluminum	
	□	□	□	□
185 mm²	25 Nm	25 Nm	30,9 Nm	30,9 Nm
150 mm²				
120 mm²				
95 mm²				
70 mm²				
50 mm²	20 Nm			
35 mm²				
25 mm²				
Flat band 10x15,5x0,8 mm			30,9 Nm	
max. current with 2 x 185 mm² (acc. to IEC)	706 A		284 A	
Stripping lengths	29 mm			
Allen screw	M18 (SW 18 mm)			

  

**Auxiliary connection**

	Copper	
	□	□
10 mm²		
6 mm²		
4 mm²	1,2 Nm	1,2 Nm
2,5 mm²		
1,5 mm²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+PZ2)	

Stranded   
  Solid   
  Flexible with ferrule   
  Sector shaped   
  Flat band

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

Input (x1) / Output (x1)	Copper		Aluminum	
	□	□	□	□
350 kcmil				
300 kcmil				
250 kcmil	250 lb in.	250 lb in.	398 lb in.	398 lb in.
AWG 3/0				
AWG 2/0				
AWG 1/0				
AWG 2	200 lb in.			
AWG 4				
max. current with 1 x 185 mm² (acc. to UL)	310 A		250 A	
Stripping lengths	29 mm			
Allen screw	M18 (SW 18 mm)			

  

**Auxiliary connection**

	Copper	
	□	□
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)	

Stranded   
  Solid   
  Flexible with ferrule   
  Sector shaped   
  Flat band

