

WPD 130 1X50/1X50 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, 50 mm², 150 A, 1000 V, Number of levels: 1, V-0, Wemid
Order No.	2502530000
Type	WPD 130 1X50/1X50 GY
GTIN (EAN)	4050118516258
Qty.	9 pc(s).

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Technical data

Dimensions and weights

Depth	45 mm	Depth (inches)	1.772 inch
Height	70 mm	Height (inches)	2.756 inch
Width	22 mm	Width (inches)	0.866 inch
Net weight	39 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)	IECEXNEX18.0010U
Max. voltage (ATEX)	880 V	Current (ATEX)	150 A
Wire cross section max. (ATEX)	50 mm ²	Max. voltage (IECEX)	880 V
Current (IECEX)	150 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

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)

Clampable conductor	Connection specification	Screw connection
Type of connection	Screw connection	

General

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

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Rating data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	150 A	Standards	IEC 60947-7-1, UL 1059, CSA
Volume resistance according to IEC 60947-7-x	0.21 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.8 W	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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www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	UKCA Ex Attestation of Conformity
	CB Certificate
	FIMKO certificate
	CCC Ex Certificate
	ATEX Certificate
	IECEx Certificate
	DNV Certificate
	UKCA Ex Certificate
	LMP 23.0563U- WPD (Rev. 0)
	CE Declaration of Conformity
	UKCA declaration of conformity
Engineering Data	Confirmation of Standards EN 45545-2_2020-10
	CAD data – STEP
User Documentation	DATA SHEET WPD 130
	StorageConditionsTerminalBlocks
	NTI WPD 130
	Manual - How to connect aluminum wires in WPD-Terminal blocks
Catalogues	Catalogues in PDF-format

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Drawings



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

Input (x1) / Output (x1)	Copper		Aluminum	
				
50 mm²				
35 mm²	10 Nm		14 Nm	14 Nm
25 mm²		10 Nm		
16 mm²	8 Nm	8 Nm	12 Nm	10 Nm
10 mm²			10 Nm	
6 mm²				
4 mm²	6 Nm	6 Nm		
2.5 mm²				
max. current with 2x 50 mm² (acc. to IEC)	300 A		270 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			
   				
Stranded	Solid	Flexible with ferrule	Sector shaped	

 Stranded  Solid  Flexible with ferrule  Sector shaped

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

Input (x1) / Output (x1)		Copper		Aluminum	
					
AWG 1/0				123.9 lb in.	123.9 lb in.
AWG 2					
AWG 4	123.9 lb in.				
AWG 6		123.9 lb in.			
AWG 8					
AWG 10					
AWG 12					
max. current at 1 x 50 mm² (acc. to UL)		150 A		120 A	
Stripping lengths		16 mm			
Allen screw		M10 (SW 5 mm)			
					
Stranded	Solid	Flexible with ferrule	Sector shaped		

 Stranded  Solid  Flexible with ferrule  Sector shaped

