

W-Series
WPD 230 2X50/2X50 BK

Weidmüller Interface GmbH & Co. KG
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Product image



Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WPD 230 2X50/2X50 BK
Order No.	2502950000
Version	W-Series, Distribution block, Rated cross-section: 50 mm ² , Terminal rail / mounting plate
GTIN (EAN)	4050118516777
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	35.6 mm	Width (inches)	1.402 inch
Height	70 mm	Height (inches)	2.756 inch
Depth	45 mm	Depth (inches)	1.772 inch
Net weight	66 g		

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

System specifications

Version		Tightening torque (clamping screw for aluminium conductors)	10 Nm (16 mm ²) / 12 Nm (25 mm ²) / 14 Nm (35 mm ²) / 14 Nm (50 mm ²)
	Screw connection	End cover plate required	No
Tightening torque (clamping screw for copper conductors)	6 Nm (4 mm ²) / 8 Nm (16 mm ²) / 10 Nm (35 mm ²) / 10 Nm (50 mm ²)	Number of levels	1
Number of potentials	1	PE connection	No
No. of clamping points per level	4		

Additional technical data

Installation advice	Terminal rail / mounting plate	Type of mounting	Snap-on
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Rating data

Rated cross-section	50 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V AC	Rated DC voltage	1,000 V DC
Rated current	120 A	Standards	IEC 60947-7-1, UL 1059, CSA
Rated impulse withstand voltage	8 kV	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693
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Classifications

ETIM 5.0	EC001329	ETIM 6.0	EC000897
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Product information	You will find additional information in the downloadsection of the onlinecatalogue
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Data sheet**W-Series**
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[CE declaration](#)

Engineering Data

[STEP](#)

User Documentation

[Additional Datasheet](#)**Safety note**

Safety notice

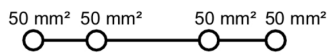
[Safety Information](#)

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Drawings



Technical data

Inputs

Number of connections

Solid

Stranded

Flexible with ferrule

Ribbon cable

Torque

Clamping screw

Stripping length

Outputs

Number of connections

Solid

Stranded

Flexible with ferrule

Torque

Clamping screw

Stripping length

Poles

Note

IEC 60947-7-1, UL 1059, CSA

top	mid./left	mid./mid.	mid./right	bottom
		2		
		6...10mm ²		
		10...50mm ²		
		4...35mm ²		
		10Nm		
		M 10		
		16mm		
top	mid./left	mid./mid.	mid./right	bottom
		2		
		6...10mm ²		
		10...50mm ²		
		4...35mm ²		
		10Nm		
		M 10		
		16mm		
		1		

Rated current with Cu conductors: 150 A