

W-Series
WPD 103 2X70/2X50 BK**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com**Product image****Power distribution**

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

General ordering data

Type	WPD 103 2X70/2X50 BK
Order No.	1561830000
Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
GTIN (EAN)	4050118366853
Qty.	3 pc(s).

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Technical data**Dimensions and weights**

Width	32.8 mm	Width (inches)	1.291 inch
Height	63 mm	Height (inches)	2.48 inch
Depth	53.3 mm	Depth (inches)	2.098 inch
Net weight	171 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.	130 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

System specifications

Version		Tightening torque (clamping screw for aluminium conductors)	4 Nm (25 mm ²) / 8 Nm (35 mm ²) / 10 Nm (50 mm ²) / 18 Nm (70 mm ²)
	Screw connection	End cover plate required	No
Tightening torque (clamping screw for copper conductors)	10 Nm (70 mm ²) / 6 Nm (50 mm ²)	Number of levels	1
Number of potentials	1	Number of potentials per tier	1
No. of clamping points per level	2	PE connection	No
Levels cross-connected internally	Yes	PE function	No
N-function	No		
PEN function	No		

Additional technical data

Installation advice	Terminal rail / mounting plate	Open sides	closed
Snap-on	Yes	Type of mounting	Snap-on
With snap-in pegs	Yes		

Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection
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Rating data

Rated voltage	1,000 V	Rated AC voltage	1,000 V AC
Rated DC voltage	1,000 V DC	Rated current	300 A
Current at maximum wires	300 A	Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2

UL rating data

Certificate No. (cURus)	E60693
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Data sheet

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Technical data

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		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PT1001_20160420_011_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN.WSCAD
Engineering Data	STEP

Safety note

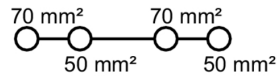
Safety notice	Safety Information
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Drawings



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

No. of poles

Note

IEC 60947-7-1, IEC 61238-1

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm ²		6...50mm ²	
	10...70mm ²		6...50mm ²	
	6...50mm ²		4...35mm ²	
	10Nm		6Nm	
	M 10		M 8	
	25mm		20mm	

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm ²		6...50mm ²	
	10...70mm ²		6...50mm ²	
	6...50mm ²		4...35mm ²	
	10Nm		6Nm	
			M 8	
	25mm		20mm	

1

Aluminium conductor 16 mm² = 4.0 Nm; 25 mm² = 4.0 Nm; 35 mm² = 8.0 Nm; 50 mm² = 10.0 Nm; 70 mm² = 18.0 Nm