

**W-Series
WPD 103 2X70/2X50 BK**

Weidmüller Interface GmbH & Co. KG
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**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 Stück

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Technische Daten

Dimensions and weights

Width	32.9 mm	Width (inches)	1.295 inch
Height	63 mm	Height (inches)	2.48 inch
Depth	53.1 mm	Depth (inches)	2.091 inch
Net weight	171 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C
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Material data

Material	Wemid	Colour	Black
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE 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. (UR)	E60693	Current size B (UR)	160 A
Current size C (UR)	160 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Wire cross section min. (UR)	8 AWG

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 9.1	27-14-11-20

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Technische Daten

Product information

Descriptive text technical data 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

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

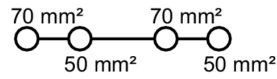
Safety notice [Safety Information](#)

Datenblatt

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Zeichnungen



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