

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

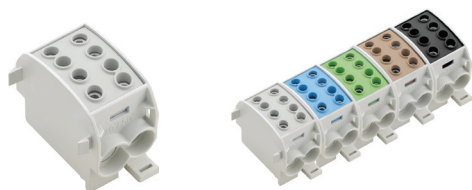
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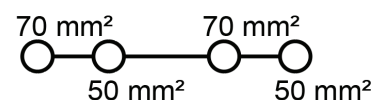
www.weidmüller.com

W-Series**WPD 103 2X70/2X50 GY****General ordering data**

Type	WPD 103 2X70/2X50 GY
Order No.	1561770000
Version	W-Series, Distribution block, Rated cross-section: 2x70 / 2x50 mm², Terminal rail
GTIN (EAN)	4050118366693
Qty.	3 pc(s)

Colour types

GY (light grey)	1561770000
BL (blue)	1561780000
GN (green)	1561790000
BN (brown)	1561820000
BK (black)	1561830000

**Dimensions and weights**

Width	32.8 mm (1.291 inch)
Height	63 mm (2.48 inch)
Depth	53.3 mm (2.098 inch)
Net weight	171 g

Material data and temperatures

Material body	brass (CuZn39Pb2)
Material housing	PA (Halogen-free)
UL 94 flammability rating	V-0
Continuous operating temp. area	-50 °C - 120 °C

Rating data

Rated cross-section	70 / 50 mm²
Rated AC voltage	1,000 V AC
Rated current - CU	192 A (1x70 mm²) 300 A (2x50 mm²)
Standards	IEC 60947-7-1
Pollution severity	3
Power loss according to IEC 60947-7-x	on request

Rated voltage	1,000 V
Rated AC voltage	1,000 V DC
Rated current - AL	300 A (2x50 mm²)
Rated impulse withstand voltage	8 kv
Surge voltage category	III
Contact resistance according to IEC 60947-7-x	on request

UL rating data according to UL 1059

Certificate No. (UR)	XCFR2.E60693	
Coltage size B,C (UR) - CU	600 V	
	Current size B,C (UR) - CU / Tightening torque	
	line	load
AWG 2/0	160 A / 88.5 Lb In.	
AWG 1/0		
AWG 2		
AWG 4		
AWG 6		
AWG 8		
AWG10		150 A / 53.1 Lb In.

Voltage size B,C (UR) - AL	600 V	
	Current size B,C (UR) - AL / Tightening torque	
	line	load
AWG 2/0	160 A / 159 Lb In.	
AWG 1/0	120 A / 159 Lb In.	
AWG 2	90 A / 159 Lb In.	
AWG 4	65 A / 159 Lb In.	
AWG 6		
AWG 8		
AWG 10		

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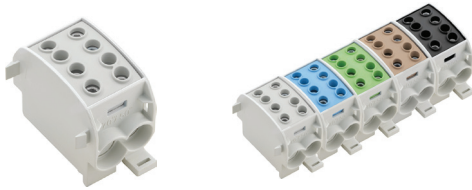
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W-Series

WPD 103 2X70/2X50 GY



CSA rating data according to CSA 22.2 No. 158

Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus)	600 V	
	Current size B,C (cURus) - CU / Tightening torque	
	line	load
AWG 2/0	160 A / 10 Nm	150 A / 6 Nm
AWG 1/0		
AWG 2		
AWG 4		
AWG 6		
AWG 8		
AWG 10		

Voltage sizeC (cURus) - AI	600 V	
	Current size B,C (cURus) - AL / Tightening torque	
	line	load
AWG 2/0	135 A / 18 Nm	135 A / 10 Nm
AWG 1/0	120 A / 10 Nm	
AWG 2	90 A / 8 Nm	
AWG 4	65 A / 6 Nm	
AWG 6	50 A / 4 Nm	
AWG 8		
AWG 10		

Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

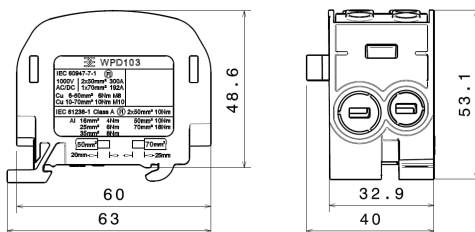
Input (x2) / Output (x2)	Copper		Aluminium
2x70 mm ² (round conductor)			
70 mm ²	10 Nm	10 Nm	18 Nm
50 mm ²			10 Nm
35 mm ²			8 Nm
25 mm ²			6 Nm
16 mm ²			4 Nm
10 mm ²			10 Nm
6 mm ²	10 Nm		
4 mm ²			
Stripping lengths	25 mm		
screw	M10 (SW 4 mm)		

 Stranded
 Solid core
 Finely stranded with wire-end ferrule

Input (x2) / Output (x2)	Copper		Aluminium
2x90 mm ² (round conductor)			
70 mm ²	6 Nm	6 Nm	10 Nm
50 mm ²			8 Nm
35 mm ²			6 Nm
25 mm ²			4 Nm
16 mm ²			
10 mm ²			
6 mm ²			
4 mm ²			
Stripping lenghts	20 mm		
screw	M8 (SW 4 mm)		

 Stranded
 Solid core
 Finely stranded with wire-end ferrule

Drawings



WPD 103

Power loss diagram for copper conductor

