

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

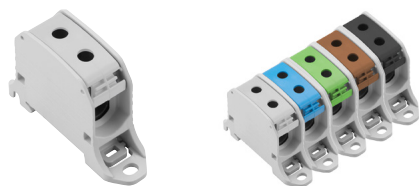
D-32758 Detmold

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www.weidmüller.com

W-Series**WPD 130 1X50/1X50 GY****General ordering data**

Type	WPD 130 1X50/1X50 GY
Order No.	2502530000
Version	W-Series, Distribution block, Rated cross-section: 50mm², Terminal rail/mounting plate
GTIN (EAN)	4050118516258
Qty.	9 pc(s)

Dimensions and weights

Width	20 mm (1.402 inch)
Height	70 mm (2.756 inch)
Depth	45 mm (1.772 inch)
Net weight	39 g

Raiting data

Rated cross-section	50 mm²
Rated AC voltage	1,000 V AC
Rated current CU	150 A
Standards	IEC 60947-7-1
Pollution severity	3
Power loss according to IEC 60947-7-x	on request

Raiting data IECEx/ATEX

Certificate No. (ATEX)	CNEX 18 ATEX 0016U
Max. voltage (ATEX)	800 V
Current (ATEX)	150 A

UL rating data

Certificate No.	XCFR2.E60693
Current size B,C (UR) - CU	150 A
Coltage size B,C (UR)	600 V
Wire cross section max. (UR)	10 AWG str.

CSA rating data

Certificate No. (cURus)	XCFR2.E60693
Current size B,C (cURus) - CU	150 A
Coltage size B,C (cURus)	600 V
Wire cross section max. (cURus)	10 AWG str.

Colour types

GY (light grey)	2502530000
BL (blue)	2502540000
GN (green)	2502540000
BN (brown)	2502560000
BK (black)	2502570000

Material data and temperatures

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



Rated voltage	1,000 V
Rated AC voltage	1,000 V DC
Rated current (AI)	150 A
Rated impulse withstand voltage	8 kv
Surge voltage category	III
Contact resistance according to IEC 60947-7-x	on request

Certificate No. (IECEX)	120 A
Max. voltage (IECEX)	880 V
Current (IECEX)	150 A

Current size B,C (UR) - AI	120 A
Voltage size B,C (UR)	600 V
Wire cross section min. (UR)	1/0 AWG str.

Current size B,C (cURus) - AI	120 A
Voltage sizeC (cURus) - AI	600 V
Wire cross section min. (cURus)	1/0 AWG str.

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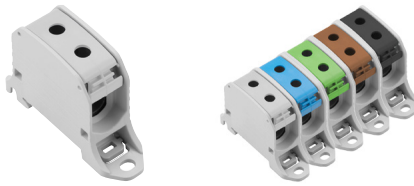
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W-Series

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Conductor connection data

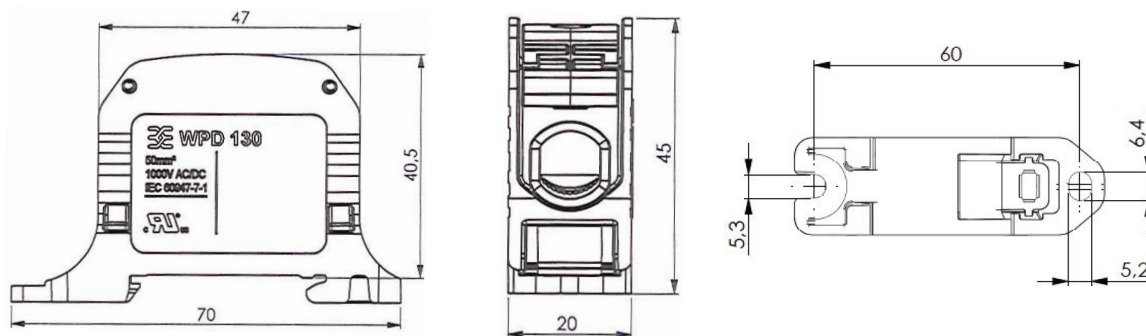
Input (x1) / Output (x1)	Copper		Alluminium	
				
50 mm ²	10 Nm		14 Nm	14 Nm
35 mm ²			10 Nm	
25 mm ²	8 Nm	8 Nm	12 Nm	10 Nm
16 mm ²			10 Nm	
10 mm ²	6 Nm	6 Nm		
6 mm ²				
4 mm ²				
Max. current	150 A		150 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			

 Stranded
  Solid core
  Finely stranded with wire-end ferrule
  Sector shaped

Input (x1) / Output (x1)	Copper		Alluminium	
				
AWG 1/0	123.9Lb In.		123.9Lb In.	123.9Lb In.
AWG 2				
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
Max. current	150 A		120 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			

 Stranded
  Solid core
  Finely stranded with wire-end ferrule
  Sector shaped

Drawings



P [W]

WPD 130

Power loss diagram for copper conductors

