

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

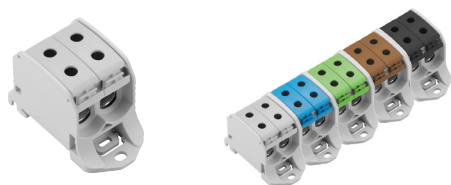
D-32758 Detmold

Germany

Fon: +49 5231 1429-0

Fax: +49 5231 14292083

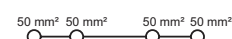
www.weidmüller.com

W-Series**WPD 230 2X50/2X50 GY****General ordering data**

Type	WPD 230 2X50/2X50 GY
Order No.	2502580000
Version	W-Series, Distribution block, Rated cross-section: 50mm², Terminal rail/mounting plate
GTIN (EAN)	4050118516401
Qty.	5 pc(s)

Colour types

GY (light grey)	2502580000
BL (blue)	2502590000
GN (green)	2502600000
BN (brown)	2502610000
BK (black)	2502950000

**Dimensions and weights**

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

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

Rating 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

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX 18 ATEX 0016U
Max. voltage (ATEX)	880 V
Current (ATEX)	150 A

Certificate No. (IECEx)	IECEx CNEX 18.0010U
Max. voltage (IECEx)	880 V
Current (IECEx)	150 A

UL rating data

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

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

CSA rating data

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

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

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

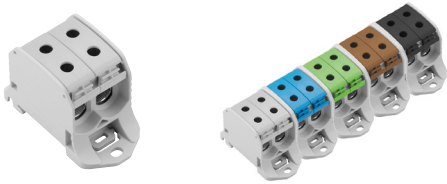
Fon: +49 5231 1429-0

Fax: +49 5231 14292083

www.weidmüller.com

W-Series

WPD 230 2X50/2X50 GY



Conductor connection data

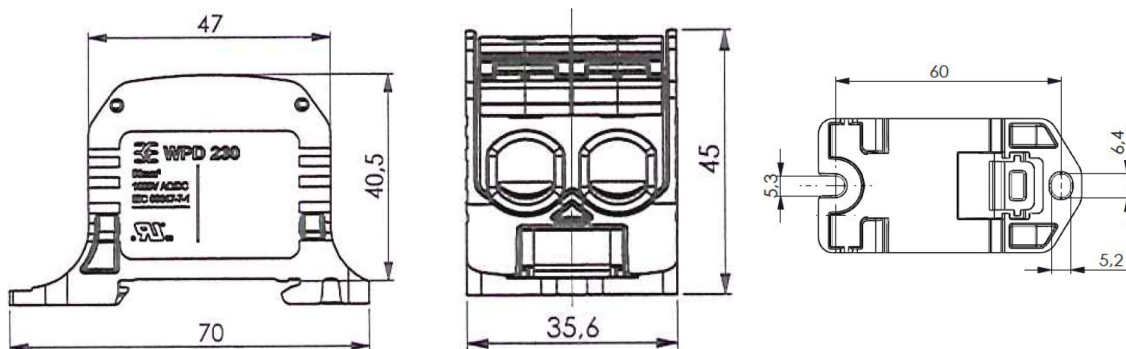
Input (x1) / Output (x1)	Copper		Alluminium	
				
50 mm ²	10 Nm		14 Nm	14 Nm
35 mm ²		10 Nm		
25 mm ²	8 Nm	8 Nm	12 Nm	10 Nm
16 mm ²			10 Nm	
10 mm ²	6 Nm	6 Nm		
6 mm ²				
4 mm ²				
Max. current at 2x 50 mm ² (according to IEC)	270 A		270 A	
Stripping lengths	16 mm			
Allen screw	M10 (SW 5 mm)			

 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.	123.9Lb In.
AWG 2				
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
Max. current at 1x 50 mm ² (according to UL)	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 230**
 Power loss diagramm for copper conductors

