

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

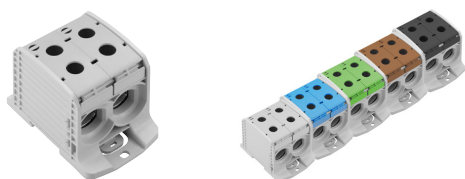
D-32758 Detmold

Germany

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www.weidmüller.com

W-Series**WPD 232 2X185/2X185 GY****General ordering data**

Type	WPD 232 2X185/2X185 GY
Order No.	2502800000
Version	W-Series, Distribution block, Rated cross-section: 185mm ² , Terminal rail/mounting plate
GTIN (EAN)	4050118516623
Qty.	1 pc(s)

Dimensions and weights

Width	67 mm (2.661 inch)
Height	105 mm (4.134 inch)
Depth	73 mm (2.894 inch)
Net weight	412 g

Raiting data

Rated cross-section	185 mm ²
Rated AC voltage	1,000 V AC
Rated current CU	353 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)	1,100 V
Current (ATEX)	353 A

UL rating data

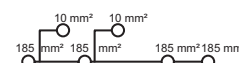
Certificate No. (UR)	XCFR2.E60693
Current size B,C (UR) - CU	310 A
Coltage size B,C (UR)	600 V
Wire cross section max. (UR)	3/0 AWG str.

CSA rating data

Certificate No. (cURus)	XCFR2.E60693
Current size B,C (cURus) - CU	310 A
Coltage size B,C (cURus)	600 V
Wire cross section max. (cURus)	3/0 AWG str.

Colour types

GY (light grey)	2502800000
BL (blue)	2502810000
GN (green)	2502820000
BN (brown)	2502830000
BK (black)	2502840000

**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)	-
Rated impulse withstand voltage	8 kv
Surge voltage category	III
Contact resistance according to IEC 60947-7-x	on request

Certificate No. (IECEx)	IECEx CNEX 18.0010U
Max. voltage (IECEx)	1,100 V
Current (IECEx)	353 A

Current size B,C (UR) - AI	250 A
Voltage size B,C (UR)	600 V
Wire cross section min. (UR)	350 kcmil str.

Current size B,C (cURus) - AI	250 A
Voltage sizeC (cURus) - AI	600 V
Wire cross section min. (cURus)	350 kcmil str.

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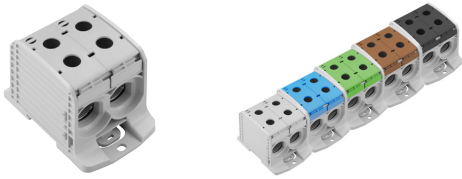
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W-Series

WPD 232 2X185/2X185 GY



Conductor connection data

Input (x2) / Output (x2)	Copper			Aluminium				
								
185 mm ²	25 Nm			30.9 Nm	30.9 Nm			
150 mm ²								
120 mm ²								
95 mm ²								
70 mm ²		25 Nm						
50 mm ²								
35 mm ²								
25 mm ²								
Flat band 10x15.5x0.8 mm				30.9 Nm				
Max. current at 2x 185 mm ² (according to IEC)								
Stripping lengths	635 A			511 A				
Allen screw	29 mm			M18 (SW 10 mm)				

Input (x2) / Output (x2)	Copper		Alluminium			
						
350 kcmil	250Lb In.		398Lb In.	398Lb In.		
300 kcmil						
250 kcmil						
AWG 3/0						
AWG 2/0						
AWG 1/0						
AWG 2/0						
AWG 4						
						
Max. current at 1x 95 mm ² (according to UL)	310 A		250 A			
Stripping lengths	29 mm					
Allen screw	M18 (SW 10 mm)					

Auxiliary connectin

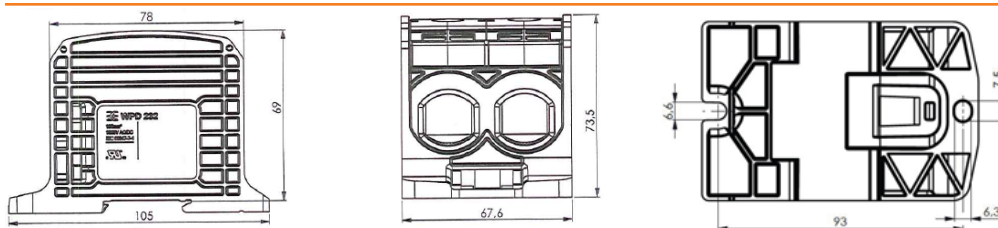
	Copper	
		
10 mm ²	1.2 Nm	1.2 Nm
6 mm ²		
4 mm ²		
2.5 mm ²		
1.5 mm ²	57 A	57 A
Max. current		
Stripping lengths		
Screw		

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

	Copper	
		
AWG 8	20.3Lb In.	20.3Lb In.
AWG 10		
AWG 12		
AWG 14		
AWG 16	57 A	57 A
Max. current		
Stripping lengths		
Screw		

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

Drawings



P [W]

WPD 232

Power loss diagramm for copper conductors

