

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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Germany

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www.weidmüller.com

W-Series

WPD 108 1X120/2X35+3X25+4X16 GY

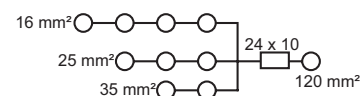


General ordering data

Type	WPD 108 1X120/2X35+3X25+4X16 GY
Order No.	1562100000
Version	W-Series, Phase distributor block, Terminal rail/ mounting plate
GTIN (EAN)	4050118385205
Qty.	1 pc(s)

Colour types

GY (light grey)	1562100000
BL (blue)	2519480000



Dimensions and weights

Width	51.1 mm (2.012 inch)
Height	95 mm (3.74 inch)
Depth	77 mm (3.031 inch)
Net weight	480 g

Material data and temperatures

Material body	brass (CuZn39Pb2)
Material housing	PA 6 (Halogen-free)
UL 94 flammability rating	V-0
Continuous operating temp. area	-50 °C - 130 °C

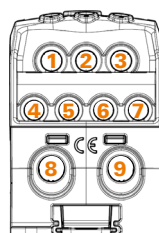
Rating data

Rated cross-section	120 / 35 / 25 / 16 mm²
Rated voltage	1,000 V
Rated current - Copper	269 A (1x120 mm²)
Standards	IEC 60947-7-1
Pollution degree	3

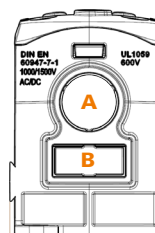
Rated AC voltage	1,000 V AC
Rated DC voltage	1,500 V DC
Max. current - Copper	400 A (Flat band 24x10 mm)
Rated impulse withstand voltage	8 kv
Surge voltage category	III

Conductor connection data

input	connection point A				CP** B
	Copper		Aluminium*		Copper
					
120 mm ²	19 Nm				
95 mm ²					
70 mm ²					
50 mm ²		19 Nm	22.6 Nm		
35 mm ²					
25 mm ²					
Flat band 24x10 mm					3 Nm
Stripping lengths	27 mm				22 mm
Allen screw	M14				M6



output

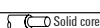


input

output	connection point 1/2/3				connection point 4/5/6/7				connection point 8/9												
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*										
																					
35 mm ²	2 Nm	2 Nm	5.1 Nm	5.1 Nm	2 Nm	2 Nm	5.1 Nm	5.1 Nm	2.5 Nm	2.5Nm	11.3 Nm	11.3 Nm									
25 mm ²																					
16 mm ²																					
10 mm ²																					
6 mm ²																					
4 mm ²																					
2.5 mm ²																					
1.5 mm ²																					
Stripping lengths	12 mm				12 mm				18 mm												
Allen screw	M6				M6				M8												

* Values according to UL 1059

** CP - connection point



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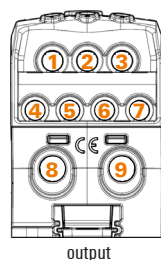
W-Series**WPD 108 1X120/2X35+3X25+4X16****Rating data IECEx/ATEX**

Certificate No. (IECEx)	IECEx CNEX 16.0005U
Max. voltage (IECEx)	880 V (on Terminal rail) 1100 V (on Mounting plate)
Current (IECEx)	250 A

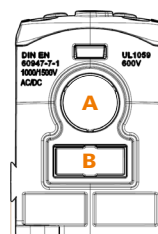
Certificate No. (ATEX)	CNEX 16 ATEX 0005U
Max. voltage (ATEX)	880 V (on Terminal rail) 1100 V (on Mounting plate)
Current (ATEX)	250 A

UL rating data

Certificate No. (UR)	XCFR2.E60693				
Input (line)	connection point A				CP* B
	Copper		Aluminium		Copper
					
kcmil 250	168.2 Lb In.		200 Lb In.		200 Lb In.
AWG 4/0					
AWG 3/0					
AWG 2/0					
AWG 1/0					
AWG 2	168.2 Lb In.		200 Lb In.		200 Lb In.
AWG 4					
Flat band 24x10 mm					17.7 Lb In.
Max. current	250 A	200 A	155 A	205 A	250 A
Voltage size B,C (UR)	600 V				



output



input

output (load)	connection point 1/2/3				connection point 4/5/6/7				connection point 8/9			
	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium	
												
AWG 2	22.6 Lb In.	22.6 Lb In.	45.1 Lb In.	45.1 Lb In.	22.6 Lb In.	22.6 Lb In.			53.1 Lb In.	53.1 Lb In.	100 Lb In.	100 Lb In.
AWG 4												
AWG 6												
AWG 8												
AWG 10												
AWG 12												
AWG 14												
AWG 16												
Max. current	85 A	65 A	65 A	50 A	65 A	50 A	50 A		115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V											

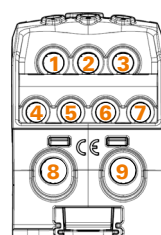
 Stranded
  Solid core
  Finely stranded with wire-end ferrule
  Flat band

CSA rating data

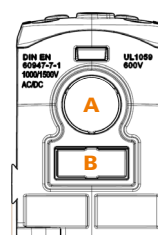
Certificate No. (CSA)	269832			
	input		output	
	CP* A	CP* 1/2/3	CP* 4/5/6/7	CP* 8/9
kcmil 250	10 Nm	3 Nm	3 Nm	6 Nm
⋮	⋮			
AWG 2	10 Nm			
AWG 4	3 Nm			
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
AWG 16				
Max. current	255 A	85 A	65 A	115 A
Voltage size C (CSA)	600 V			

*CP- connection point

Catalogue status 11.03.2019 / TCTM / We reserve the right to make technical changes.



output



input

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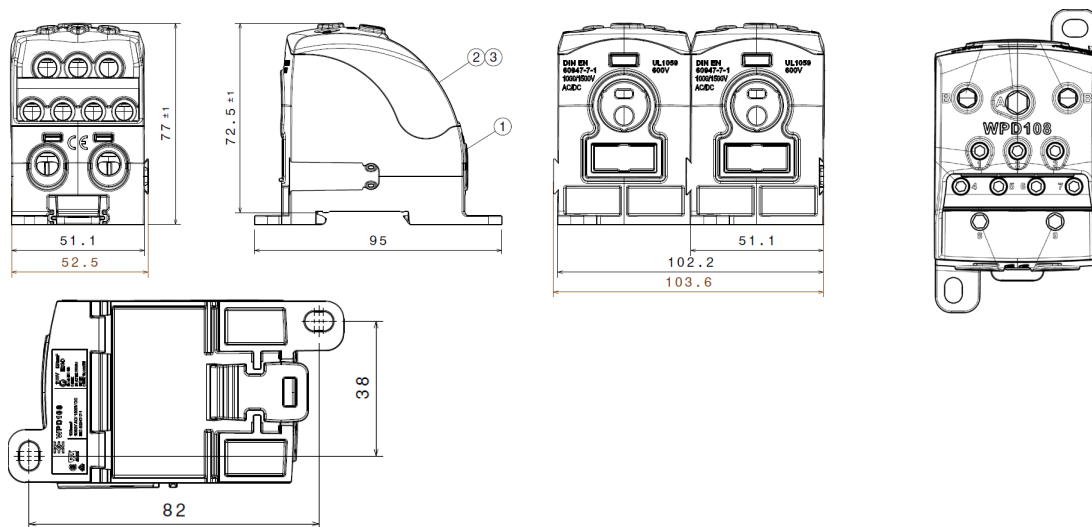
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W-Series**WPD 108 1X120/2X35+3X25+4X16****Drawings****P (W)****WPD 108****Power loss diagram for copper conductor**