

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

Weidmüller Interfaces GmbH &amp; Co. KG

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**Product image**

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

**General ordering data**

Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
Order No.	<a href="#">2519480000</a>
Type	WPD 108 1X120/2X35+3X25+4X16 BL
GTIN (EAN)	4050118531794
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

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

**Temperatures**

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

**Material data**

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	1100 V	Current (ATEX)	250 A
Wire cross section max. (ATEX)	120 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	250 A		

**System specifications**

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	Rail	Mounting plate, TS 35
N-function	Yes	PE function	No
PEN function	No		

**Additional technical data**

Installation advice	Terminal rail / mounting plate	Open sides	closed
Type of mounting	Snap-on		

**CSA rating data**

Certificate number (cCSAus)	70128467
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**Conductors for clamping (rated connection)**

Connection direction	on side	Type of connection	Screw connection
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**General**

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	Mounting plate, TS 35	Standards	IEC 60947-7-1, UL 1059

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**Technical data****Rating data**

Rated voltage	1,000 V	Rated AC voltage	1,000 V AC
Rated DC voltage	1,500 V DC	Rated current	400 A
Standards	IEC 60947-7-1, UL 1059		

**UL rating data**

Certificate No. (cURus)	E60693
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**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2

**Important note**

Product information	The socket complies with flammability class V-2 according to UL94.
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**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">Attestation of Conformity</a> <a href="#">CB Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">VDE Certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">DNV Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">DATA SHEET WPD 108</a> <a href="#">NTI WDP 108</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

Creation date March 13, 2023 9:07:40 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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**Data sheet**

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

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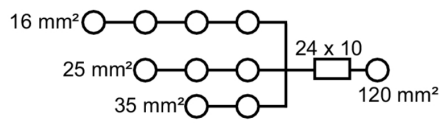
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**Drawings**



**Power distribution**  
**Screw connection**

**W-Series**

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



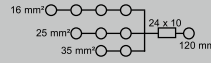
**WPD 108**

**120 mm<sup>2</sup>**



Width / Height / Depth	mm
max. current / max. conductor	A/mm <sup>2</sup>
max. clamping range	mm <sup>2</sup>

51.1 / 77 / 95
269 / 120
25...120



**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	120 mm <sup>2</sup> mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Overvoltage category / UL 94 flammability rating	
Approvals	

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	120 mm <sup>2</sup> mm <sup>2</sup>
	35 mm <sup>2</sup> mm <sup>2</sup>
	25 mm <sup>2</sup> mm <sup>2</sup>
	16 mm <sup>2</sup> mm <sup>2</sup>
Flexible with ferrule	120 mm <sup>2</sup> mm <sup>2</sup>
	35 mm <sup>2</sup> mm <sup>2</sup>
	25 mm <sup>2</sup> mm <sup>2</sup>
	16 mm <sup>2</sup> mm <sup>2</sup>
Stripping length / Blade size	120 mm <sup>2</sup> mm/-
	35 mm <sup>2</sup> mm/-
	25 mm <sup>2</sup> mm <sup>2</sup>
	16 mm <sup>2</sup> mm <sup>2</sup>

Tightening torque	Nm
<b>Note</b>	

**Ordering data**

<b>Version</b>	
grey	
blue	
red	
black	

<b>Note</b>	
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**Accessories**

<b>Cross connection</b>	
2-pole	
<b>End bracket</b>	
dark beige	
dark beige	
<b>Screwdriver</b>	
SET	

**IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)**

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	880
269	250	255	250
120	AWG 4...kcmil 250	AWG 4...kcmil 250	120
8 kV / 3			
III / V-0			

**Rated connection**

35...120 / 35...120
4...35 / 4...35
2.5...25 / 2.5...25
1.5...16 / 1.5...16
25...95
2.5...25
1.5...16
1.5...10
27 / M14
18 / M8
12 / M6
12 / M6

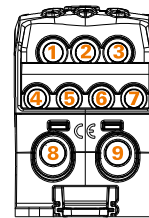
see appendix at the end of the chapter

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WPD 108 1x120/2x35+3x25+4x16 GY	1	1562100000
WPD 108 1x120/2x35+3x25+4x16 BL	1	2519480000
WPD 108 1x120/2x35+3x25+4x16 RD	1	2725280000
WPD 108 1x120/2x35+3x25+4x16 BK	1	2725380000

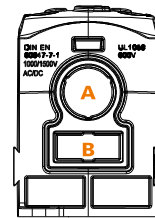
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WQB WPD X08-09/2	20	1561900000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000



**B**



output

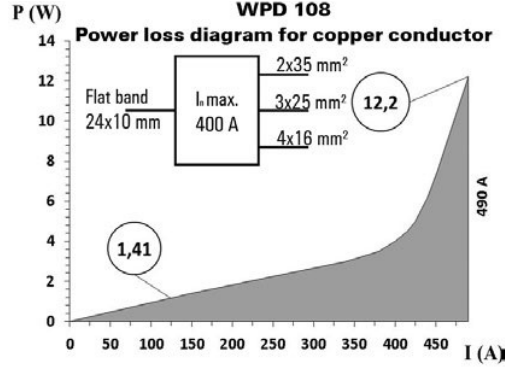


input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

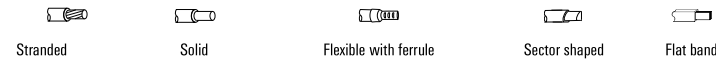
Input	connection point A				CP** B
	Copper		Aluminium*		Copper
120 mm <sup>2</sup>					
95 mm <sup>2</sup>	19 Nm	19 Nm	22,6 Nm	22,6 Nm	3 Nm
70 mm <sup>2</sup>					
50 mm <sup>2</sup>					
35 mm <sup>2</sup>					
25 mm <sup>2</sup>					
Flat band 24x10mm					22 mm
Stripping lengths	27 mm				M6
Allen screw	M14				M6

\* Values according to UL 1059 \*\* CP - connection point



Output	connection point 1 / 2 / 3				connection point 4 / 5 / 6 / 7				connection point 8 / 9			
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*	
35 mm <sup>2</sup>												
25 mm <sup>2</sup>	2 Nm	2 Nm	5,1 Nm	5,1 Nm	2 Nm	2 Nm	5,1 Nm	5,1 Nm	2,5 Nm	2,5 Nm	11,3 Nm	11,3 Nm
16 mm <sup>2</sup>												
10 mm <sup>2</sup>												
6 mm <sup>2</sup>												
4 mm <sup>2</sup>												
2.5 mm <sup>2</sup>												
1.5 mm <sup>2</sup>												
Stripping lengths	12 mm				12 mm				18 mm			
Allen screw	M6				M6				M8			

\* Values according to UL 1059



UL Rating data according to UL 1059

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

\* CP - connection point

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832			
	Input CP* A	CP* 1/2/3	CP* 4/5/6/7	CP* B
kcmil 250	19 Nm.			
AWG 2	19 Nm			
AWG 4		3 Nm	3 Nm	6 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

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

