

WPD 107 1X95/2X35+8X25 BK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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
Order No.	2725450000
Type	WPD 107 1X95/2X35+8X25 BK
GTIN (EAN)	4050118796131
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	54.5 mm	Depth (inches)	2.146 inch
Height	73 mm	Height (inches)	2.874 inch
Width	51 mm	Width (inches)	2.008 inch
Net weight	210 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

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

Open sides	closed	Type of mounting	Snap-on
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Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection
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General

Number of poles	1	Rail	Mounting plate, TS 35
Standards	IEC 60947-7-1, UL 1059		

Rating data

Rated voltage	1,000 V	Rated AC voltage	1,000 V
Rated DC voltage	1,500 V DC	Rated current	270 A
Standards	IEC 60947-7-1, UL 1059		

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		

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity

[Attestation of Conformity](#)
[UKCA Ex Attestation of Conformity](#)
[CB Certificate](#)
[VDE Certificate](#)
[DNV Certificate](#)
[UKCA Ex Certificate](#)
[CE Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

WPD 107 1X95/2X35+8X25 BK

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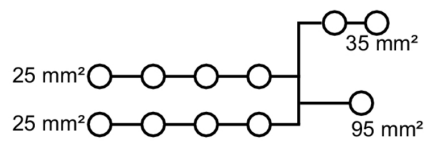
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Drawings



Power distribution

Screw connection

W-Series

WPD 107 1X95/2X35+8X25 GY

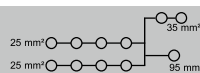


WPD 107

95 mm²

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

51 / 54,5 / 73
232 / 95
16...95



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	95 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	95 mm ²	mm ²
	35 mm ²	mm ²
	25 mm ²	mm ²
	95 mm ²	mm ²
Flexible with ferrule	35 mm ²	mm ²
	25 mm ²	mm ²
	95 mm ²	mm/-
	35 mm ²	mm/-
Stripping length / Blade size	25 mm ²	mm ²
	25 mm ²	mm ²
Tightening torque		Nm
Note		

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

IEC	UL	CSA	EN 60079-7
1000	600	600	440
232	200	200	232
95	AWG 8...3/0	AWG 8...3/0	95
8 kV / 3			
III / V-0			

Rated connection

16...95 / 16...95
4...35 / 4...35
2.5...25 / 2.5...25
10...70
2.5...25
1.5...16
14 / M12
12 / M8
12 / M6

see appendix at the end of the chapter

Ordering data

Version	
	grey
	blue
	red
	black

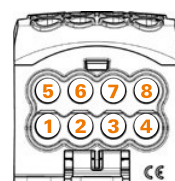
Note

Type	Qty.	Order No.
WPD 107 1x95/2x35+8x25 GY	1	1562220000
WPD 107 1x95/2x35+8x25 BL	1	2521730000
WPD 107 1x95/2x35+8x25 RD	1	2725350000
WPD 107 1x95/2x35+8x25 BK	1	2725450000

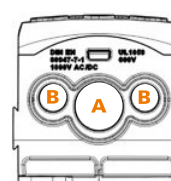
Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

Type	Qty.	Order No.
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



output



input

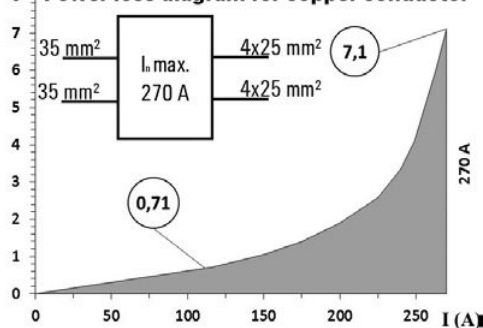
Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al P (W)

connection point A				
Input	Copper		Aluminium*	
				
95 mm ²	14 Nm	14 Nm	22,6 Nm	22,6 Nm
70 mm ²				
50 mm ²				
35 mm ²				
25 mm ²				
16 mm ²				
10 mm ²				
Stripping lengths	14 mm			
Allen screw	M12			
* Values according to UL 1059				

* Values according to UL 1059

WPD 107

Power loss diagram for copper conductor



Output	connection point 1 - 8				connection point B			
	Copper		Aluminium*		Copper		Aluminium*	
								
35 mm²	2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm	3,5 Nm	3,5 Nm	11,3 Nm	11,3 Nm
25 mm²								
16 mm²								
10 mm²								
6 mm²								
4 mm²								
2.5 mm²								
1.5 mm²								
Stripping lengths	12 mm				12 mm			
Allen screw	M6				M8			
* Values according to UL 1059								

* Values according to UL 1059



UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
	connection point A			
Input (line)	Copper		Aluminium	
				
AWG 3/0	124 Lb In.	124 Lb In.	200 Lb In.	200 Lb In.
AWG 2/0				
AWG 1/0				
AWG 2				
AWG 4				
AWG 6				
AWG 8				
max. current	200 A	175 A	155 A	130 A
Voltage size B,C (UR)	600 V			

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832		
	Input	Output	
	CP* A	CP* 1 - 8	CP* B
AWG 3/0	14 Nm.	2,5 Nm	6 Nm
AWG 2/0			
AWG 1/0			
AWG 2			
AWG 4			
AWG 6			
AWG 8			
AWG 10			
AWG 12			
AWG 14			
max. current	200 A	85 A	115 A
Voltage size C (CSA)	600 V		

* CP - connection point

output (load)	connection point 1 - 8				connection point B			
	Copper		Aluminium		Copper		Aluminium	
								
AWG 2	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	31 Lb In.	31 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	115 A	85 A	90 A	65 A
Voltage size B,C (UR)	600 V							

