

WPD 107 1X95/2X35+8X25 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
Order No.	2521730000
Type	WPD 107 1X95/2X35+8X25 BL
GTIN (EAN)	4050118534245
Qty.	1 pc(s).

Creation date January 10, 2022 7:48:48 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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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	211 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	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	440 V	Current (ATEX)	232 A
Wire cross section max. (ATEX)	95 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	232 A	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

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
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (rated connection)

Connection direction	None, 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

Rating data

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

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Technical data**UL rating data**

Certificate No. (UR) E60693

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		

Important note

Product information Power distribution block (Bus Bar) also usable for distribution of neutral conductor and function earth.

Approvals

Approvals



ROHS Conform
 UL File Number Search E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity Attestation of Conformity CB Certificate ATEX Certificate IECEX Certificate VDE Certificate EAC EX Certificate CCC Ex Certificate DNV Certificate
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
User Documentation	StorageConditionsTerminalBlocks DATA SHEET WPD 107 NTI WPD 107
Catalogues	Catalogues in PDF-format

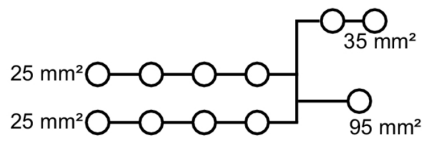
Data sheet

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Drawings



Power distribution
Screw connection

W-Series
WPD 107 1X95/2X35+8X25 GY



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

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
Flexible with ferrule	95 mm ²	mm ²
	35 mm ²	mm ²
	25 mm ²	mm ²
Stripping length / Blade size	95 mm ²	mm/-
	35 mm ²	mm/-
	25 mm ²	mm ²
Tightening torque		Nm
Note		

Ordering data

Version	
	grey
	blue
	red
	black
Note	

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

WPD 107 **95 mm²**



51 / 54.5 / 73	
232 / 95	
16...95	

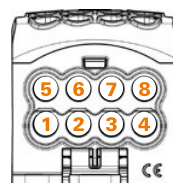
IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

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			

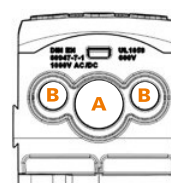
Rated connection	
16...95 / 16...95	
4...35 / 4...35	
2.5...25 / 2.5...25	
10...70	
2.5...25	
1.5...16	
14 / M12	
12 / M8	
12 / M6	
see appendix at the end of the chapter	

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

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



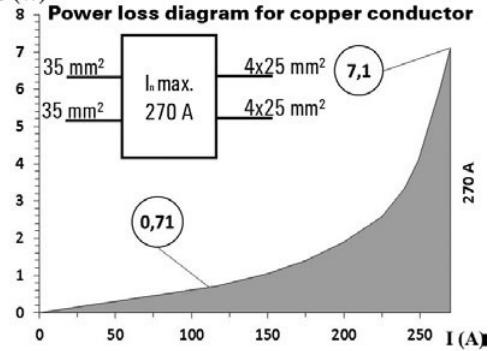
input

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

Input	connection point A			
	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

WPD 107



Output	connection point 1 - 8				connection point B			
	Copper		Aluminium*		Copper		Aluminium*	
35 mm ²	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 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			
Allen screw	M6				M8			

* Values according to UL 1059



UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
	connection point A			
	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.					
AWG 2/0						
AWG 1/0						
AWG 2						
AWG 4						
AWG 6						
AWG 8		2,5 Nm	6 Nm			
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							

