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).

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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

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 mm²	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

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

WPD 107 1X95/2X35+8X25 BL

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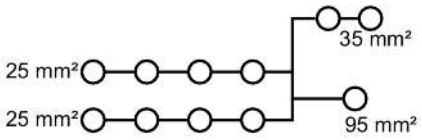
Drawings

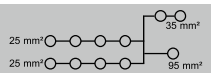


W-Series
WPD 107 1X95/2X35+8X25 GY

WPD 107 — 95 mm²

Width / Height / Depth	mm
max. current / max. conductor	A/mm²
max. clamping range	mm²

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



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	95 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	95 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
Flexible with ferrule	95 mm²	mm²
	35 mm²	mm²
	25 mm²	mm²
Stripping length / Blade size	95 mm²	mm/–
	35 mm²	mm/–
	25 mm²	mm²
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

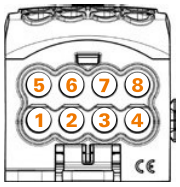
Version	
	grey
	blue
	red
	black
Note	

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

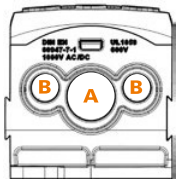
Accessories

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



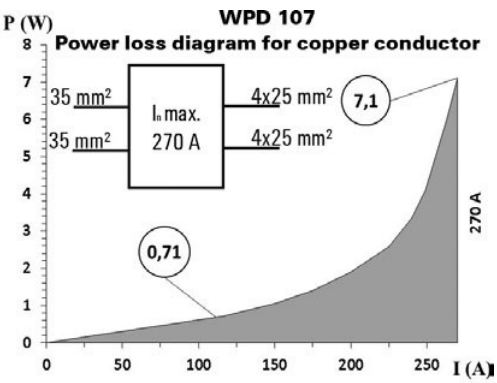
output

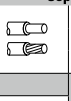


input

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

Input	connection point A			
	Copper		Aluminium*	
				
95 mm²	14 Nm		22,6 Nm	
70 mm²		14 Nm		22,6 Nm
50 mm²				
35 mm²				
25 mm²				
16 mm²				
10 mm²				
Stripping lengths	14 mm			
Allen screw	M12			
* Values according to UL 1059				



Output	connection point 1 - 8				connection point B			
	Copper		Aluminium*		Copper		Aluminium*	
								
35 mm²					3,5 Nm		11,3 Nm	
25 mm²	2,5 Nm		5,1 Nm			3,5 Nm		11,3 Nm
16 mm²		2,5 Nm		5,1 Nm				
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								

 Stranded

 Solid

 Flexible with ferrule

 Sector shaped

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693			
Input (line)	connection point A			
	Copper		Aluminium	
				
AWG 3/0	124 Lb In.		200 Lb In.	
AWG 2/0		124 Lb In.		200 Lb In.
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			6 Nm
AWG 4		2,5 Nm	
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								
AWG 4	22.1 Lb In.		45.1 Lb In.		31 Lb In.		100 Lb In.	
AWG 6		22.1 Lb In.		45.1 Lb In.		31 Lb In.		100 Lb In.
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							

 Stranded

 Solid

 Flexible with ferrule