

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	Potential distributor terminal, Screw connection, black, 95 mm², 270 A, 1000 V, Number of connections: 11, Number of levels: 1
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	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	black
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		

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

Explosion-tested version	Yes	Open sides	closed
Type of mounting	Snap-on		

CSA rating data

Certificate number (cCSAus)	70128467
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Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	95 mm ²	Clamping range, min.	1.5 mm ²
Connection cross-section, stranded, max.	95 mm ²	Connection direction	on side
Number of connections	11	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	AWG 3/0
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm ²	Wire connection cross-section, solid core, max.	95 mm ²

General

Number of poles	1	Rail	Mounting plate, TS 35
Standards	IEC 60947-7-1, UL 1059	Wire connection cross section AWG, max.	AWG 3/0
Wire connection cross section AWG, min.	AWG 16		

Rating data

Rated cross-section	95 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	270 A	Current at maximum wires	270 A
Standards	IEC 60947-7-1, UL 1059	Power loss in accordance with IEC 60947-7-x	2.7 W

UL rating data

Certificate No. (cURus)	E60693
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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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
ECLASS 13.0	27-25-01-19	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9

Important note

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

Approvals



Approvals MAMID

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ROHS

Conform

UL File Number Search

UL Website

Certificate No. (cURus)

E60693

Downloads

Approval/Certificate/Document of Conformity

[Attestation of Conformity](#)
[UKCA Ex Attestation of Conformity](#)
[CB Certificate](#)
[VDE Certificate](#)
[UKCA Ex Certificate](#)
[CE Declaration of Conformity](#)
[UKCA declaration of conformity](#)
[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[DATA SHEET WPD 107](#)
[Manual - How to connect aluminum wires in WPD-Terminal blocks](#)
[Torque_Conductor_Connection_Data_WPD_EN](#)
[Drehmoment_Leiteranschlussdaten_WPD_DE](#)

Catalogues

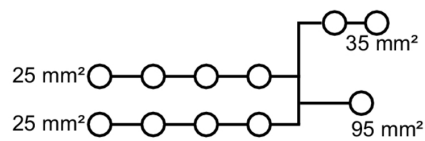
[Catalogues in PDF-format](#)

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Drawings



Conductor connection data according to IEC 60947-7-1 (Cu)

Input	connection point A			
	Copper	Aluminium*	Copper	Aluminium*
35 mm²	14 Nm	14 Nm	22.6 Nm	22.6 Nm
25 mm²	14 Nm	14 Nm	22.6 Nm	22.6 Nm
16 mm²	14 Nm	14 Nm	22.6 Nm	22.6 Nm
10 mm²	14 Nm	14 Nm	22.6 Nm	22.6 Nm
Stripping lengths	14 mm	14 mm	14 mm	14 mm
Allen screw	M12	M12	M12	M12

Output	connection point 1-8			
	Copper	Aluminium*	Copper	Aluminium*
35 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
25 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
16 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
10 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
4 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
2.5 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
1.5 mm²	2.5 Nm	2.5 Nm	5.1 Nm	5.1 Nm
Stripping lengths	12 mm	12 mm	12 mm	12 mm
Allen screw	M5	M5	M5	M5

*Values according to UL 1058

Legend:  Copper,  Aluminium,  Flexible with female,  Sector shaped

Conductor connection data according to UL 1058 (Al+Cu)

Input (line)	connection point A			
	Copper	Aluminium	Copper	Aluminium
AWG 3/0	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
AWG 2/0	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
AWG 1/0	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
AWG 2	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
AWG 4	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
AWG 6	124 lbf ft	124 lbf ft	200 lbf ft	200 lbf ft
max. current	200 A	175 A	155 A	130 A
Voltage max IEC (U _N)	600 V	600 V	600 V	600 V

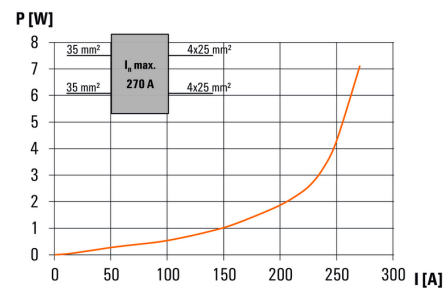
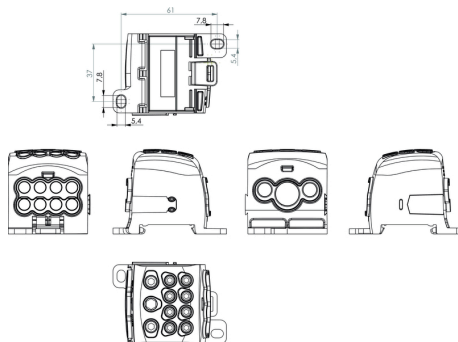
Output (line)	connection point 1-8			
	Copper	Aluminium	Copper	Aluminium
AWG 2	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 4	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 6	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 8	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 10	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 12	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
AWG 14	45.1 lbf ft	45.1 lbf ft	31 lbf ft	31 lbf ft
max. current	85 A	65 A	50 A	40 A
Voltage max IEC (U _N)	600 V	600 V	600 V	600 V

Legend:  Copper,  Aluminium,  Flexible with female

CSA rating data according to CSA 22.2 No. 158

Input	Output	
	CP A	CP B
AWG 3/0	14 Nm	14 Nm
AWG 2/0	14 Nm	14 Nm
AWG 1/0	14 Nm	14 Nm
AWG 2	14 Nm	14 Nm
AWG 4	14 Nm	14 Nm
AWG 6	14 Nm	14 Nm
AWG 8	14 Nm	14 Nm
AWG 10	14 Nm	14 Nm
AWG 12	14 Nm	14 Nm
AWG 14	14 Nm	14 Nm
max. current	200 A	155 A
Voltage max C (CSA)	600 V	600 V

Legend:  Copper,  Aluminium,  Flexible with female



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
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

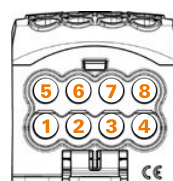
Note

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

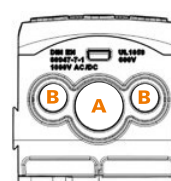
Accessories

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

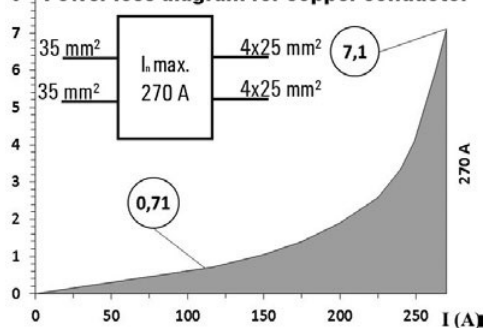
Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al P (W)

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	200 A	85 A	115 A
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							

