

WPD 106 1X70/2X25+3X16 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.	2725440000
Type	WPD 106 1X70/2X25+3X16 BK
GTIN (EAN)	4050118796148
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	50.4 mm	Depth (inches)	1.984 inch
Height	74.5 mm	Height (inches)	2.933 inch
Width	39.5 mm	Width (inches)	1.555 inch
Net weight	200 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 AC voltage	1,000 V	Rated current	215 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

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

Engineering Data

[CAD data – STEP](#)

Catalogues

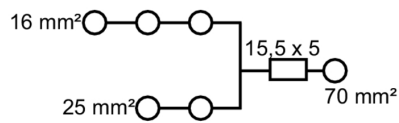
[Catalogues in PDF-format](#)

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Drawings



Power distribution

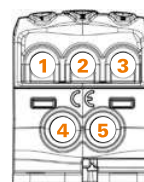
Screw connection

W-Series

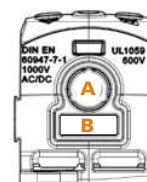
WPD 106 1x70/2x25+3x16 GY



WPD 106

70 mm²

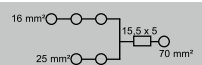
output



input

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

39.5 / 50.4 / 70
192 / 70
10...70



Technical data

Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	70 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	70 mm ²	mm ²
	25 mm ²	mm ²
	16 mm ²	mm ²
	70 mm ²	mm ²
Flexible with ferrule	25 mm ²	mm ²
	16 mm ²	mm ²
	70 mm ²	mm/-
	25 mm ²	mm/-
Stripping length / Blade size	70 mm ²	mm/-
	16 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	550
192	160	175	160
70	AWG 10...2/0	AWG 10...2/0	70
8 kV / 3			
III / V-0			

Rated connection

10...70 / 10...70
2.5...25 / 2.5...25
1.5...16 / 1.5...16
6...50
1.5...16
1.5...10
19 / M8
14 / M6
12 / M6

see appendix at the end of the chapter

Ordering data

Version	
	grey
	blue
	red
	black

Note

Type	Qty.	Order No.
WPD 106 1x70/2x25+3x16 GY	1	1562210000
WPD 106 1x70/2x25+3x16 BL	1	2518570000
WPD 106 1x70/2x25+3x16 RD	1	2725340000
WPD 106 1x70/2x25+3x16 BK	1	2725440000

Accessories

Cross connection	
	2-pole
End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

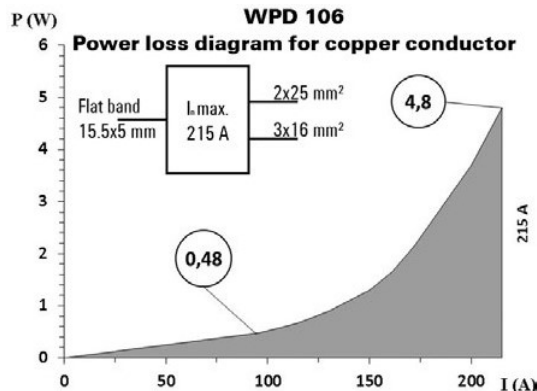
Type	Qty.	Order No.
WQB WPD X06/2	20	1561940000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000

SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

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

Input	connection point A				CP** B
	Copper		Aluminium*		Copper
					
70 mm ²	10 Nm	10 Nm	13,6 Nm	13,6 Nm	
50 mm ²					
35 mm ²					
25 mm ²					
16 mm ²					
10 mm ²					
6 mm ²					
Flat band 15,5x5 mm					2 Nm
Stripping lengths	19 mm				17 mm
Allen screw	M8				M5

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



Output	connection point 1/2/3				connection point 4/5				
	Copper		Aluminium*		Copper		Aluminium*		
									
25 mm²	2 Nm		5,1 Nm	2,5 Nm		5,1 Nm	5,1 Nm		
16 mm²									
10 mm²		2 Nm			5,1 Nm			2,5 Nm	5,1 Nm
6 mm²									
4 mm²									
2.5 mm²									
1.5 mm²									
Stripping lengths	12 mm				14 mm				
Allen screw	M6				M6				
* Values according to UL 1059									

* Values according to UL 1059

 Mehrdrähtig
  Eindrätig
  Feindrätig mit Aderendhülse
  Sektorförmig
  Flachband

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				CP** B
	connection point A		Aluminium		Copper
Input (line)	Copper		Aluminium		Copper
					
AWG 2/0	88.5 Lb In.	88.5 Lb In.	120.4 Lb In.	100 Lb In.	
AWG 1/0					
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10					
Flat band 15.5x3.2 mm					17.4 Lb In.
max. current	160 A	150 A	135 A	120 A	160 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	Output	
	CP* A	CP* 1/2/3	CP* 4/5
AWG 2/0	10 Nm.		
AWG 1/0			
AWG 2			
AWG 4			
AWG 6			
AWG 8		2 Nm	2 Nm
AWG10			
AWG 12			
AWG 14			
AWG 16			
max. current	175 A	50 A	65 A
Voltage size C (CSA)	600 V		

* CP - connection point

output (load)	connection point 1/2/3				connection point 4/5		
	Copper		Aluminium		Copper	Aluminium	
							
AWG 4	22.6 Lb In.	22.6 Lb In.	45.1 Lb In.	22.6 Lb In.	22.6 Lb In.	45.1 Lb In.	45.1 Lb In.
AWG 6							
AWG 8							
AWG 10							
AWG 12							
AWG 14							
AWG 16							
max. current	65 A	50 A	50 A	85 A	65 A	65 A	50 A
Voltage size B,C (UR)	600 V						

 Stranded
  Solid
  Flexible with ferrule
  Sector shaped
  Flat band