

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	Potential distributor terminal, Screw connection, black, 70 mm ² , 215 A, 1000 V, Number of connections: 6, Number of levels: 1
Order No.	2725440000
Type	WPD 106 1X70/2X25+3X16 BK
GTIN (EAN)	4050118796148
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	50.4 mm	Depth (inches)	1.9842 inch
Height	74.5 mm	Height (inches)	2.9331 inch
Width	39.5 mm	Width (inches)	1.5551 inch
Net weight	200 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...85 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

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

Material data

Basic 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)	880 V	Current (ATEX)	160 A
Wire cross section max. (ATEX)	50 mm ²	Max. voltage (IECEX)	880 V
Current (IECEX)	160 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	Mounting rail	Mounting plate, TS 35
N-function	Yes	PE function	No
PEN function	No		

Additional technical data

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

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CSA rating data

Certificate number (cCSAus) 70128467

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 2/0	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	6	Clamping range, max.	70 mm ²
Clamping range, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	70 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	70 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 2/0
Wire connection cross section AWG, min.	AWG 16	Standards	IEC 60947-7-1, UL 1059
Mounting rail	Mounting plate, TS 35		

Rating data

Rated cross-section	70 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal current	215 A	Current at maximum wires	215 A
Standards	IEC 60947-7-1, UL 1059		

UL rating data

Certificate No. (cURus) E60693

Important note

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

Classifications

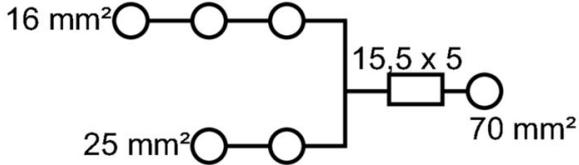
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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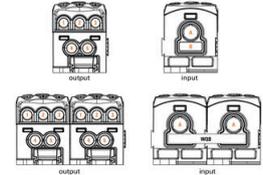
Drawings

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

Input	connection point A		CP** B	
	Copper	Aluminum*	Copper	Aluminum*
10 mm²	10 Nm	13,5 Nm	13,5 Nm	
25 mm²	19 Nm			
35 mm²				
50 mm²				
70 mm²				
Flat band 15,5x5 mm			2 Nm	
Stripping lengths	19 mm		17 mm	
Allen screw	M3		M3	



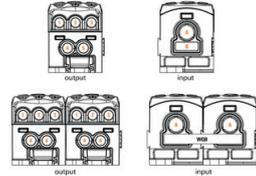
Output	connection point 1/2/3		connection point 4/5	
	Copper	Aluminum*	Copper	Aluminum*
25 mm²				
10 mm²				
16 mm²				
10 mm²				
6 mm²				
2,5 mm²				
2,5 mm²				
Stripping lengths	12 mm		14 mm	
Allen screw	M3		M3	

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

Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band

Conductor connection data according to UL 1059 (Al+Cu)

Input (line)	connection point A		CP** B	
	Copper	Aluminum	Copper	Aluminum
AWG 2/0				
AWG 1/0				
AWG 2	88.5 lb. in.	129.4 lb. in.	100 lb. in.	
AWG 4				
AWG 6				
AWG 8				
AWG 10				
Flat band 15,5x5,2 mm			17.4 lb. in.	
max. current	150 A	150 A	135 A	100 A
Voltage size B.C. (dB)	600 V			

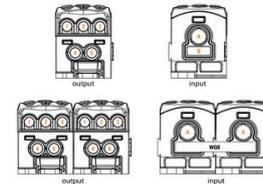


Output (leaf)	connection point 1/2/3		connection point 4/5	
	Copper	Aluminum	Copper	Aluminum
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12	22.6 lb. in.	22.6 lb. in.	22.6 lb. in.	22.6 lb. in.
AWG 14				
AWG 16				
max. current	65 A	50 A	50 A	50 A
Voltage size B.C. (dB)	600 V			

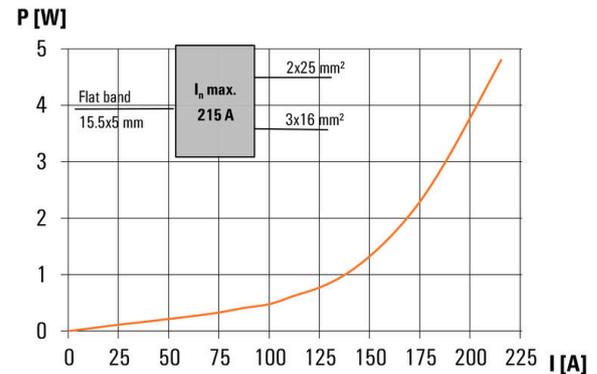
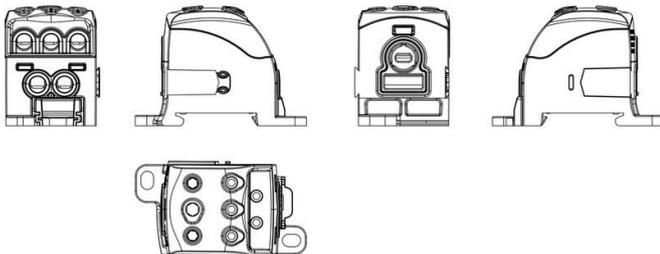
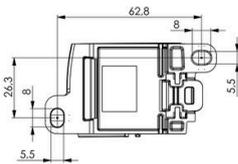
Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band

CSA rating data according to CSA 22.2 No. 158

Input	Output	
	CP* A	CP* 4/5
AWG 2/0		
AWG 1/0		
AWG 2	10 Nm	
AWG 4		
AWG 6		
AWG 8		
AWG 10		
AWG 12	2 Nm	2 Nm
AWG 14		
AWG 16		
max. current	175 A	65 A
Voltage size C (CSA)	600 V	



Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band



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Accessories

Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium-steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

General ordering data

Type	SKS 2,0-8,0 MR	Version	
Order No.	9008870000	socket wrenches	
GTIN (EAN)	4032248266623		
Qty.	1 ST		

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQB WPD X06/2	Version	
Order No.	1561940000	Cross-connector (terminal), Plugged, grey, 215 A, Number of poles: 2,	
GTIN (EAN)	4050118367126	Pitch in mm (P): 39.50, Insulated: Yes, Width: 7 mm	
Qty.	3 ST		