

WPD 305 3X35/6X25+9X16 3XBL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

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, blue, 35 mm ² , 214 A, 1000 V, Number of connections: 18, Number of levels: 1
Order No.	2521770000
Type	WPD 305 3X35/6X25+9X16 3XBL
GTIN (EAN)	4050118534115
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	53.7 mm	Depth (inches)	2.1142 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	106.8 mm	Width (inches)	4.2047 inch
Net weight	433 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	9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2

Material data

Basic material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	3	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	3
Levels cross-connected internally	Yes	Mounting rail	Mounting plate, TS 35
PE function	No	PEN function	No

Additional technical data

Open sides	closed	Installation advice	Terminal rail / mounting plate
Explosion-tested version	Yes	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 2	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection

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Number of connections	18	Clamping range, max.	35 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.	25 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.	35 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	35 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

Number of poles	3	Wire connection cross section AWG, max.	AWG 2
Installation advice	Terminal rail / mounting plate	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	35 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1000 V
Nominal current	214 A	Current at maximum wires	214 A
Standards	IEC 60947-7-1, UL 1059		

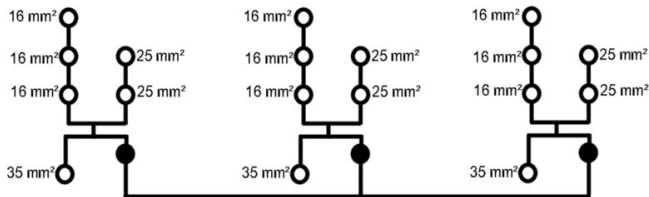
Important note

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

Classifications

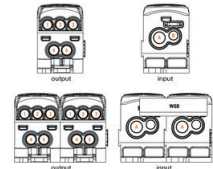
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

Drawings



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

Input	connection point A	
	Copper	Aluminum*
35 mm²	11.3 Nm	11.3 Nm
25 mm²	3.5 Nm	3.5 Nm
16 mm²	3.5 Nm	3.5 Nm
10 mm²		
6 mm²		
4 mm²		
2.5 mm²		
Stripping lengths	19 mm	19 mm
Allen screw	M5	M5



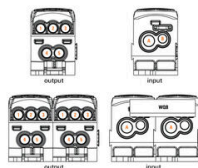
Output	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum*	Copper	Aluminum*	Copper	Aluminum*
25 mm²	2 Nm	2 Nm	2.5 Nm	2.5 Nm	2.5 Nm	2.5 Nm
16 mm²			5.1 Nm	5.1 Nm	5.1 Nm	5.1 Nm
10 mm²						
6 mm²						
4 mm²						
2.5 mm²						
1.5 mm²						
Stripping lengths	12 mm	12 mm	14 mm	14 mm	19 mm	19 mm
Allen screw	M5	M5	M5	M5	M5	M5

* Values according to UL 1059

Stranded Solid Flexible with female Sector shaped

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

Input (line)	connection point A	
	Copper	Aluminum
AWG 2	100 lb in.	100 lb in.
AWG 4	31 lb in.	31 lb in.
AWG 6	31 lb in.	31 lb in.
AWG 8	115 A	85 A
AWG 10	85 A	50 A
AWG 12	50 A	50 A
max. current	115 A	85 A
Voltage size B.C (UR)	600 V	600 V

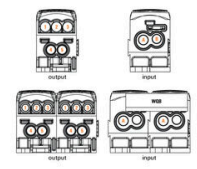


Output (load)	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
AWG 4	45.1 lb in.	45.1 lb in.	45.1 lb in.	45.1 lb in.	45.1 lb in.	45.1 lb in.
AWG 6	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.
AWG 8	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.	22.1 lb in.
AWG 10	85 A	50 A	85 A	50 A	85 A	50 A
AWG 12	50 A	50 A	50 A	50 A	50 A	50 A
AWG 14						
AWG 16						
max. current	85 A	50 A	85 A	50 A	85 A	50 A
Voltage size B.C (UR)	600 V	600 V	600 V	600 V	600 V	600 V

Stranded Solid Flexible with female Sector shaped

CSA Rating data according to CSA 22.2 No. 158

Input	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
AWG 4	100 lb in.	100 lb in.	100 lb in.	100 lb in.	100 lb in.	100 lb in.
AWG 6	31 lb in.	31 lb in.	31 lb in.	31 lb in.	31 lb in.	31 lb in.
AWG 8	31 lb in.	31 lb in.	31 lb in.	31 lb in.	31 lb in.	31 lb in.
AWG 10	115 A	85 A	115 A	85 A	115 A	85 A
AWG 12	85 A	50 A	85 A	50 A	85 A	50 A
AWG 14	50 A	50 A	50 A	50 A	50 A	50 A
AWG 16						
max. current	115 A	85 A	115 A	85 A	115 A	85 A
Voltage size C (CSA)	600 V	600 V	600 V	600 V	600 V	600 V



Stranded Solid Flexible with female Sector shaped

