

**WPD 205 2X35/4X25+6X16 2XGY****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, Light Grey, 35 mm <sup>2</sup> , 214 A, 1000 V, Number of connections: 12, Number of levels: 1
Order No.	<a href="#">1562180000</a>
Type	WPD 205 2X35/4X25+6X16 2XGY
GTIN (EAN)	4050118385267
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Depth	53.7 mm	Depth (inches)	2.1142 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	71.2 mm	Width (inches)	2.8031 inch
Net weight	288 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	Light Grey
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	PE connection	No
Mounting rail	Mounting plate, TS 35	N-function	No
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	12	Clamping range, max.	35 mm <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	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 <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	25 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	0 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	35 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	35 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	1.5 mm <sup>2</sup>		

### General

Number of poles	2	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 <sup>2</sup>	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal current	214 A	Current at maximum wires	214 A
Standards	IEC 60947-7-1, UL 1059	Power loss in accordance with IEC 60947-7-x	3.60 W

### 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



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

Input	connection point A	
	Copper	Aluminum*
25 mm <sup>2</sup>	3.5 Nm	11.3 Nm
18 mm <sup>2</sup>	3.5 Nm	11.3 Nm
16 mm <sup>2</sup>		
10 mm <sup>2</sup>		
6 mm <sup>2</sup>		
4 mm <sup>2</sup>		
2.5 mm <sup>2</sup>		
Stripping lengths	19 mm	
Allen screw	M5	



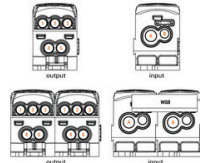
Output	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum*	Copper	Aluminum*	Copper	Aluminum*
25 mm <sup>2</sup>						
18 mm <sup>2</sup>						
16 mm <sup>2</sup>						
10 mm <sup>2</sup>						
6 mm <sup>2</sup>						
4 mm <sup>2</sup>						
2.5 mm <sup>2</sup>						
1.5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

\* Values according to UL 1059

Stranded Solid Flexible with ferrule Sector shaped

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

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

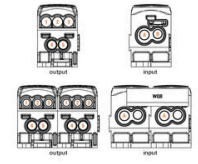


Output (load)	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
AWG 4						
AWG 6		45.1 lb. in.		45.1 lb. in.		45.1 lb. in.
AWG 8						
AWG 10	22.1 lb. in.		22.1 lb. in.		22.1 lb. in.	
AWG 12	22.1 lb. in.		22.1 lb. in.		22.1 lb. in.	
AWG 14						
AWG 16						
max. current	85 A	50 A	85 A	65 A	85 A	50 A
Voltage size B.C (UR)	600 V					

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CSA Rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	209932			
	Input CP-A	CP-1/2/3	CP-4/5	CP-B
AWG 4				
AWG 6	31 lb. in.			
AWG 8			22.1 lb. in.	
AWG 10			22.1 lb. in.	
AWG 12				
AWG 14				
max. current	115 A	85 A	85 A	85 A
Voltage size C (CSA)	600 V			



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