

**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 <sup>2</sup> , 214 A, 1000 V, Number of connections: 18, Number of levels: 1
Order No.	<a href="#">2521770000</a>
Type	WPD 305 3X35/6X25+9X16 3XBL
GTIN (EAN)	4050118534115
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	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 <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	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 <sup>2</sup>	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

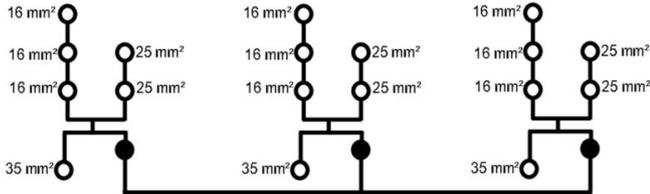
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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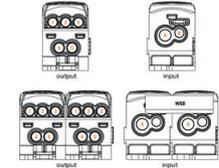
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# Drawings



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

Input	connection point A	
	Copper	Aluminum*
35 mm <sup>2</sup>	3.5 Nm	11.3 Nm
25 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	



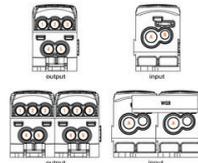
Output	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum*	Copper	Aluminum*	Copper	Aluminum*
35 mm <sup>2</sup>						
25 mm <sup>2</sup>			5.1 Nm		5.1 Nm	
16 mm <sup>2</sup>			2.5 Nm		2.5 Nm	
10 mm <sup>2</sup>						
6 mm <sup>2</sup>	2 Nm				2.5 Nm	
4 mm <sup>2</sup>	2 Nm				2.5 Nm	
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
max. current	85 A	50 A
Voltage size B-C (UR)	600 V	

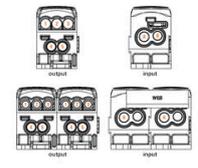


Output (load)	connection point 1/2/3		connection point 4/5		connection point B	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
AWG 4						
AWG 6		45.1 lb. in.				
AWG 8			45.1 lb. in.		45.1 lb. in.	
AWG 10						
AWG 12	22.1 lb. in.	22.1 lb. in.	22.1 lb. in.	22.1 lb. in.	22.1 lb. in.	22.1 lb. in.
AWG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

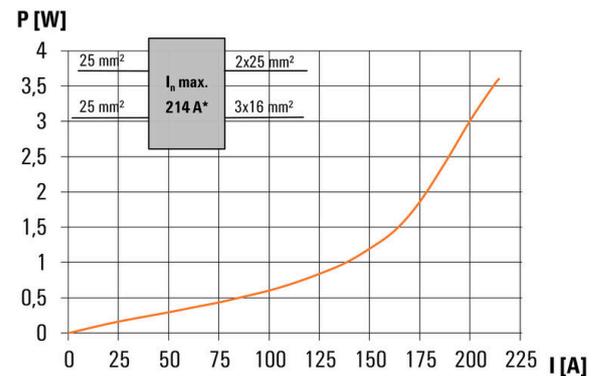
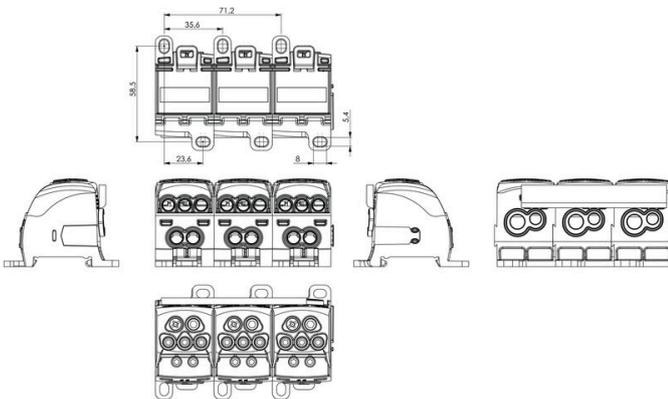
Stranded Solid Flexible with ferrule Sector shaped

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				
AWG 8	31 lb. in.			
AWG 10		22.1 lb. in.		
AWG 12			22.1 lb. in.	
AWG 14				
max. current	115 A	85 A	85 A	85 A
Voltage size C (CSA)	600 V			



Stranded Solid Flexible with ferrule Sector shaped



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## Accessories

### 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 X05/2	Version	
Order No.	<a href="#">1561960000</a>	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 2,	
GTIN (EAN)	4050118367140	Pitch in mm (P): 35.60, Insulated: Yes, Width: 52.8 mm	
Qty.	20 ST		
Type	WQB WPD X05/3	Version	
Order No.	<a href="#">1561970000</a>	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 3,	
GTIN (EAN)	4050118367133	Pitch in mm (P): 35.60, Insulated: Yes, Width: 88.4 mm	
Qty.	20 ST		

### 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.	<a href="#">9008870000</a>	socket wrenches	
GTIN (EAN)	4032248266623		
Qty.	1 ST		

### Crosshead screwdriver Pozidriv



Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

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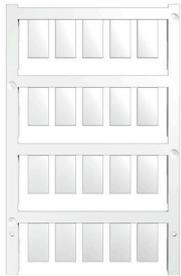
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## Accessories

### General ordering data

Type	SDK PZ2	Version	
Order No.	<a href="#">9008540000</a>	Version	Screwdriver, Screwdriver
GTIN (EAN)	4032248056538		
Qty.	1 ST		

### Custom printing



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	ESG 9/17 K MC SDR	Version	
Order No.	<a href="#">1674770000</a>	Version	ESG, Device markers x 17 mm, PA 66, Colour: To customer specification, Self-adhesive
GTIN (EAN)	4008190447656		
Qty.	40 ST		

### Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

### General ordering data

Type	BZT 1 WS 10/5	Version	
Order No.	<a href="#">1805490000</a>	Version	Accessories, Marker holder
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	<a href="#">1805520000</a>	Version	Accessories, Marker holder
GTIN (EAN)	4032248270248		
Qty.	100 ST		