

WPD 105 1X35+1X16/2X25+3X16 BL**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: 7, Number of levels: 1
Order No.	2518540000
Type	WPD 105 1X35+1X16/2X25+3X16 BL
GTIN (EAN)	4050118531831
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	53.7 mm	Depth (inches)	2.114 inch
Height	70 mm	Height (inches)	2.756 inch
Width	35.6 mm	Width (inches)	1.402 inch
Net weight	138 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	125 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	125 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	Rail	Mounting plate, TS 35
PE function	No	PEN function	No

Additional technical data

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

CSA rating data

Certificate number (cCSAus)	70128467
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Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	35 mm ²	Clamping range, min.	1.5 mm ²
Connection cross-section, stranded, max.	35 mm ²	Connection direction	on side
Number of connections	7	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	25 mm ²	Wire connection cross-section, solid core, max.	35 mm ²

General

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

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	214 A	Current at maximum wires	214 A
Standards	IEC 60947-7-1, UL 1059		

UL rating data

Certificate No. (cURus)	E60693
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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-19	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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

Important note

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

Approvals

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319221/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/

ROHS

Conform

UL File Number Search

UL Website

Certificate No. (cURus)

E60693

Downloads

Approval/Certificate/Document of Conformity

[Attestation of Conformity](#)
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[UKCA Ex Attestation of Conformity](#)
[CB Certificate](#)
[ATEX Certificate](#)
[IECEX Certificate](#)
[VDE Certificate](#)
[CCC Ex Certificate](#)
[UKCA Ex Certificate](#)
[DNV Certificate](#)
[UKCA declaration of conformity](#)
[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[StorageConditionsTerminalBlocks](#)
[NTI WPD 105](#)
[Manual - How to connect aluminum wires in WPD-Terminal blocks](#)
[Torque_Conductor_Connection_Data_WPD_EN](#)
[Drehmoment_Leiteranschlussdaten_WPD_DE](#)

Catalogues

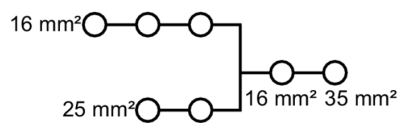
[Catalogues in PDF-format](#)

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Drawings



Conductor connection data according to IEC 60947-3-1 (Cu)

Input	Conductor		Dimensions
	Cable	Stranded	
25 mm²	1.2/1.6	1.2/1.6	11.3 Nm
25 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	

Dimensions according to IEC 60947-3-1 (Cu)

Input	Conductor		Dimensions
	Cable	Stranded	
25 mm²	1.2/1.6	1.2/1.6	11.3 Nm
25 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	

Dimensions according to IEC 60947-3-1 (Cu)

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

Input	Conductor		Dimensions
	Cable	Stranded	
25 mm²	1.2/1.6	1.2/1.6	11.3 Nm
25 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	

Dimensions according to UL 1059 (Al+Cu)

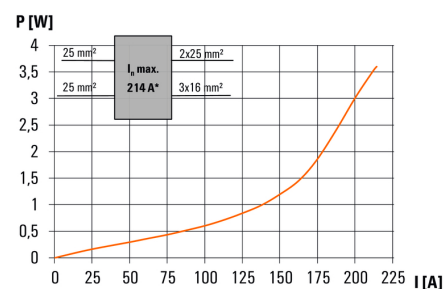
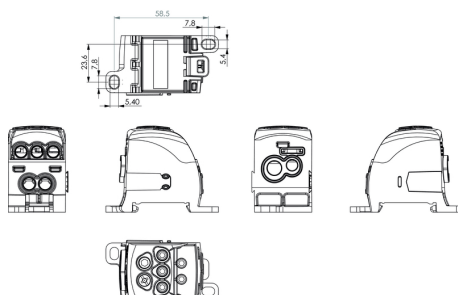
Input	Conductor		Dimensions
	Cable	Stranded	
25 mm²	1.2/1.6	1.2/1.6	11.3 Nm
25 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	

Dimensions according to UL 1059 (Al+Cu)

CSA Rating data according to CSA 22.2 No. 150

Input	Conductor		Dimensions
	Cable	Stranded	
25 mm²	1.2/1.6	1.2/1.6	11.3 Nm
25 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	11.3 Nm
16 mm²	1.2/1.6	1.2/1.6	
16 mm²	1.2/1.6	1.2/1.6	

Dimensions according to CSA 22.2 No. 150



Power distribution

Screw connection

W-Series

WPD 105 1x35+1x16/2x25+3x16



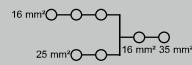
WPD 105

35 mm²



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

35.6 / 53.7 / 70
125 / 35
2.5...35

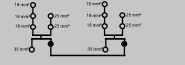


WPD 205

35 mm²



71.2 / 53.7 / 70
125 / 35
2.5...35



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	35 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	35 mm ²	mm ²
	25 mm ²	mm ²
	16 mm ²	mm ²
Flexible with ferrule	35 mm ²	mm ²
	25 mm ²	mm ²
	16 mm ²	mm ²
Stripping length / Blade size	35 mm ²	mm/-
	25 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	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
8 kV / 3			
III / V-0			
Rated connection			
4...35 / 4...35			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
2.5...25			
1.5...16			
1.5...10			
19 / M8			
14 / M6			
12 / M6			
see appendix at the end of the chapter			
Note			

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
8 kV / 3			
III / V-0			
Rated connection			
4...35 / 4...35			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
2.5...25			
1.5...16			
1.5...10			
19 / M8			
14 / M6			
12 / M6			
see appendix at the end of the chapter			
Note			

Ordering data

Version	
	grey
	blue
	red
	black
Note	

Type	Qty.	Order No.
WPD 105 1x35+1x16/2x25+3x16 GY	1	1562170000
WPD 105 1x35+1x16/2x25+3x16 BL	1	2518540000
WPD 105 1x35+1x16/2x25+3x16 RD	1	2725310000
WPD 105 1x35+1x16/2x25+3x16 BK	1	2725410000
Note		

Type	Qty.	Order No.
WPD 205 2x35/4x25+6x16 2xGY	1	1562180000
WPD 205 2x35/4x25+6x16 2xBL	1	2519470000
WPD 205 2x35/4x25+6x16 2xRD	1	2725320000
WPD 205 2x35/4x25+6x16 2xBK	1	2725420000
Note		

Accessories

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

Type	Qty.	Order No.
WQB WPD X05/2	20	1561960000
WQB WPD X05/3	20	1561970000
Note		
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
Note		
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000
Note		

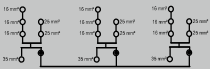
Type	Qty.	Order No.
Note		
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
Note		
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000
Note		



WPD 305 35 mm²



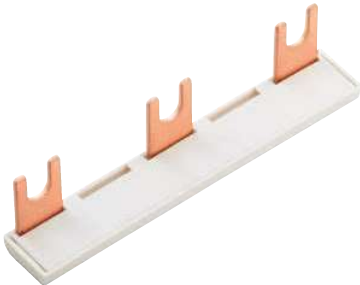
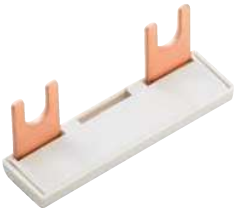
106.8 / 53.7 / 70
125 / 35
2.5...35



IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)			
IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	85	125
35	AWG 12...2	AWG 12...2	35
8 kV / 3			
III / V-0			
Rated connection			
4...35 / 4...35			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
2.5...25			
1.5...16			
1.5...10			
19 / M8			
14 / M6			
12 / M6			
see appendix at the end of the chapter			

Type	Qty.	Order No.
WPD 305 3x35/6x25+9x16 3xGY	1	1562190000
WPD 305 3x35/6x25+9x16 3xBL	1	2521770000
WPD 305 3x35/6x25+9x16 3xRD	1	2725330000
WPD 305 3x35/6x25+9x16 3xBK	1	2725430000

Type	Qty.	Order No.
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

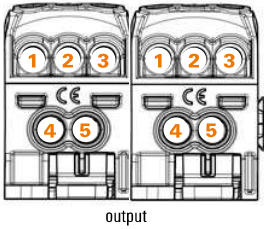


B

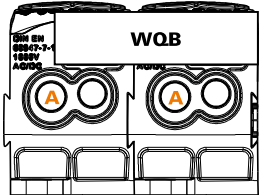


Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

connection point A				
Input	Copper		Aluminium*	
				
35 mm ²	3,5 Nm		11,3 Nm	11,3 Nm
25 mm ²				
16 mm ²		3,5 Nm		
10 mm ²				
6 mm ²				
4 mm ²				
2.5 mm ²				
Stripping lengths		19 mm		
Allen screw		M8		
* Values according to UL 1059				



output



input

Output	connection point 1/2/3				connection point 4/5				connection point B				
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*		
													
25 mm ²	2 Nm			2,5 Nm									
16 mm ²													
10 mm ²													
6 mm ²					5,1 Nm			5,1 Nm	5,1 Nm			5,1 Nm	
4 mm ²													
2.5 mm ²													
1.5 mm ²													
Stripping lengths	12 mm				14 mm				19 mm				
Allen screw	M6				M6				M6				
* Values according to UL 1059													



Stranded



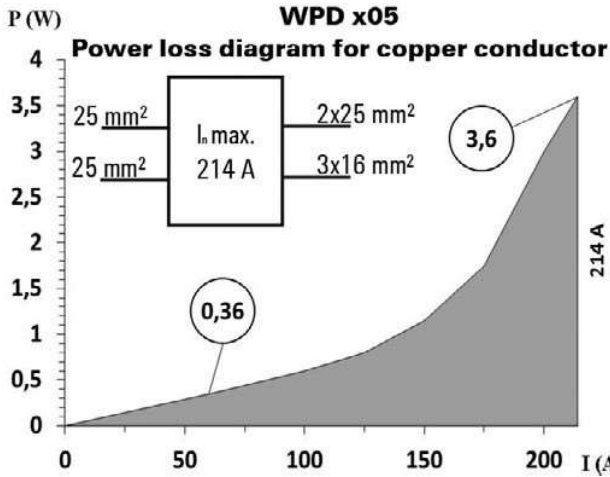
Solid



Flexible with ferrule



Sector shaped



UL Rating data according to UL 1059

Certificate no. (UR)		XCFR2.E60693			
connection point A					
Input (line)	Copper		Aluminium		
					
AWG 2	31 Lb. In.		100 Lb. In.		
AWG 4				100 Lb. In.	
AWG 6					
AWG 8					
AWG 10					
AWG 12					
max. current	115 A	85 A	90 A	65 A	
Voltage size B,C (UR)	600 V				

connection point 1/2/3													connection point 4/5				connection point B			
output (load)	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium									
																				
AWG 4	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 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	65 A	50 A	50 A									
Voltage size B,C (UR)	600 V																			



Stranded



Solid



Flexible with ferrule



Sector shaped

CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

Certificate No. (CSA)		269832		
	Input	Output		
	CP* A	CP* 1/2/3	CP* 4/5	CP*B
AWG 4	31 Lb In.			
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14		22.1 Lb In.	22.1 Lb In.	22.1 Lb In.
AWG 16				
max. current	115 A	85 A	85 A	85 A
Voltage size C (CSA)	600 V			
* CP - connection point				

B

