

WPD 105 1X35+1X16/2X25+3X16 RD**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, red, 35 mm ² , 214 A, 1000 V, Number of connections: 7, Number of levels: 1, Mounting plate, TS 35, V-O, Wemid
Order No.	2725310000
Type	WPD 105 1X35+1X16/2X25+3X16 RD
GTIN (EAN)	4050118796575
Qty.	1 pc(s).

Creation date August 28, 2024 6:47:13 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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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	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	red
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
N-function	Yes	PE function	No
PEN function	No		

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Connection direction	on side	Number of connections	7
Type of connection	Screw connection		

General

Number of poles	1	Rail	Mounting plate, TS 35
Standards	IEC 60947-7-1, UL 1059		

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Technical data
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	Standards	IEC 60947-7-1, UL 1059

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Important note

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

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity CB Certificate VDE Certificate DNV Certificate UKCA Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	DATA SHEET 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

www.weidmueller.com

Conductor connection data according to IEC 60437-1 (Cu)									
Insulation class 180									
Input	Insulation class 180				Insulation class 180		Insulation class 180		Output
	Cu 20	Cu 25	Cu 30	Cu 35	Cu 20	Cu 25	Cu 30	Cu 35	
20 mm									
25 mm									
30 mm									
35 mm									
40 mm									
45 mm									
50 mm									
55 mm									
60 mm									
65 mm									
70 mm									
75 mm									
80 mm									
85 mm									
90 mm									
95 mm									
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730 mm									
735 mm									
740 mm									
745 mm									
750 mm									
755 mm									
760 mm									
765 mm									
770 mm									
775 mm									
780 mm									
785 mm									
790 mm									
795 mm									
800 mm									
805 mm									
810 mm									
815 mm									
820 mm									
825 mm									
830 mm									
835 mm									
840 mm									
845 mm									
850 mm									
855 mm									
860 mm									
865 mm									
870 mm									
875 mm									
880 mm									
885 mm									
890 mm									
895 mm									
900 mm									
905 mm									
910 mm									
915 mm									
920 mm									
925 mm									
930 mm									
935 mm									
940 mm									
945 mm									
950 mm									
955 mm									
960 mm									
965 mm									
970 mm									
975 mm									
980 mm									
985 mm									
990 mm									
995 mm									
1000 mm									
1005 mm									
1010 mm									
1015 mm									
1020 mm									
1025 mm									
1030 mm									
1035 mm									
1040 mm									
1045 mm									
1050 mm									
1055 mm									
1060 mm									
1065 mm									
1070 mm									
1075 mm									
1080 mm									
1085 mm									
1090 mm									
1095 mm									
1100 mm									
1105 mm									
1110 mm									
1115 mm									
1120 mm									
1125 mm									
1130 mm									
1135 mm									
1140 mm									
1145 mm									
1150 mm									
1155 mm									
1160 mm									
1165 mm									
1170 mm									
1175 mm									
1180 mm									
1185 mm									
1190 mm									
1195 mm									
1200 mm									
1205 mm									
1210 mm									
1215 mm									
1220 mm									
1225 mm									
1230 mm									
1235 mm									
1240 mm									
1245 mm									
1250 mm									
1255 mm									

Connector connection data according to UL 1059 (A4-C4)

Configure on IPEX

32P25 200001

connector panel A

Pin	C25		C20		C15		C10	
	min	max	min	max	min	max	min	max
AWG 2	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 3	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 4	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 5	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 6	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 12	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
max. current	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A
Voltage max. U ₀ /U _i	600 V							

connector panel B

Pin	C25		C20		C15		C10	
	min	max	min	max	min	max	min	max
AWG 2	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 3	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 4	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 5	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 6	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 12	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
max. current	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A
Voltage max. U ₀ /U _i	600 V							

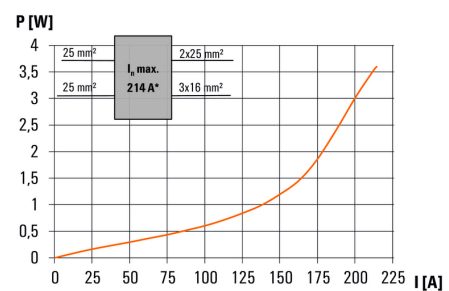
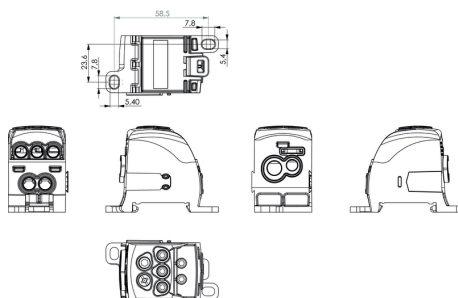
connector panel C

Pin	C25		C20		C15		C10	
	min	max	min	max	min	max	min	max
AWG 2	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 3	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 4	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 5	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 6	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 12	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
max. current	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A
Voltage max. U ₀ /U _i	600 V							

connector panel D

Pin	C25		C20		C15		C10	
	min	max	min	max	min	max	min	max
AWG 2	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 3	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 4	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 5	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 6	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
AWG 12	0.75	1.00	0.75	1.00	0.75	1.00	0.75	1.00
max. current	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A	10.0 A
Voltage max. U ₀ /U _i	600 V							

connector panel E

[illegible]

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Accessories

Crosshead screwdriver Pozidriv



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

General ordering data

Type	SDK PZ2	Version
Order No.	9008540000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056538	
Qty.	1 pc(s).	

Cross connection



General ordering data

Type	WQB WPD X05/3	Version
Order No.	1561970000	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 pc(s).	
Type	WQB WPD X05/2	Version
Order No.	1561960000	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.	10 pc(s).	

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www.weidmueller.com**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 pc(s).	

Power distribution

Screw connection

W-Series

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



Application range

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
	35 mm ²	mm ²
Flexible with ferrule	25 mm ²	mm ²
	16 mm ²	mm ²
	35 mm ²	mm/-
	25 mm ²	mm/-
Stripping length / Blade size	16 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



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			

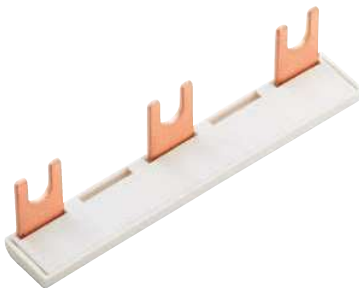
Rated connection

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				

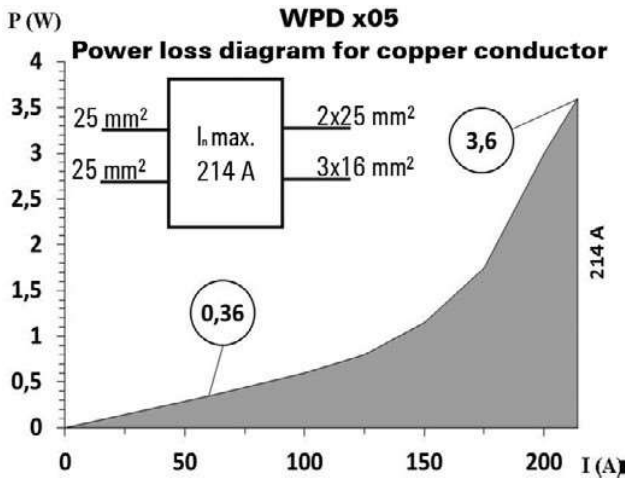


output















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													



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.		22.1 Lb In.	
AWG 4				
AWG 6		22.1 Lb In.		22.1 Lb In.
AWG 8				
AWG 10				
AWG 12				
AWG 14			22.1 Lb In.	
AWG 16				
max. current	115 A	85 A		85 A
Voltage size C (CSA)	600 V			
* CP - connection point				

B

