

WPD 105 1X35+1X16/2X25+3X16 GY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
Order No.	1562170000
Type	WPD 105 1X35+1X16/2X25+3X16 GY
GTIN (EAN)	4050118385250
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	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	Wemid	Colour	Light Grey
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	PE connection	No
Rail	Mounting plate, TS 35	N-function	Yes
PE function	No	PEN function	No

Additional technical data

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 (rated connection)

Connection direction	on side	Type of connection	Screw connection
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General

Installation advice	Terminal rail / mounting plate	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 AC voltage	1,000 V	Rated DC voltage	1,000 V DC
Rated current	214 A	Current at maximum wires	125 A
Standards	IEC 60947-7-1, UL 1059		

UL rating data

Certificate No. (UR)	E60693
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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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		

Important note

Product information	Power distribution block (Bus Bar) also usable for distribution of neutral conductor and function earth.
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

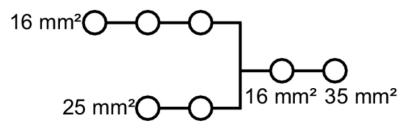
Approval/Certificate/Document of Conformity	Attestation of Conformity CB Certificate ATEX Certificate IECEX Certificate EAC certificate VDE Certificate EAC EX Certificate CCC Ex Certificate DNV Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks DATA SHEET WPD 105 NTI WPD 105
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



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www.weidmueller.com**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).	

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).	

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www.weidmueller.com**Accessories****Cross connection****General ordering data**

Type	WQB WPD X05/2	Version
Order No.	1561960000	W-Series, Cross-connector, Number of poles: 2
GTIN (EAN)	4050118367140	
Qty.	20 pc(s).	
Type	WQB WPD X05/3	Version
Order No.	1561970000	W-Series, Cross-connector, Number of poles: 3
GTIN (EAN)	4050118367133	
Qty.	20 pc(s).	

Power distribution

Screw connection

W-Series

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



WPD 105

35 mm²



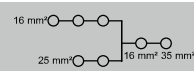
WPD 205

35 mm²

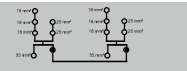


Width / Height / Depth	mm
max. current / max. conductor	A/mm ²
max. clamping range	mm ²

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



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			

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			

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

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

Accessories

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

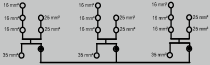
Type	Qty.	Order No.
WQB WPD X05/2	20	1561960000
WQB WPD X05/3	20	1561970000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

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

WPD 305 35 mm²



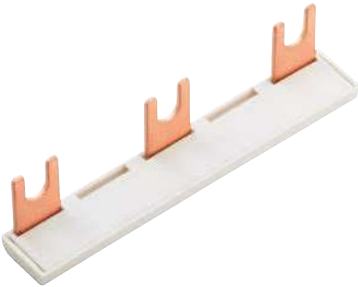
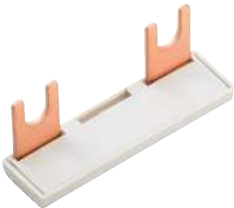
106.8 / 53.7 / 70
125 / 35
2.5...35



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

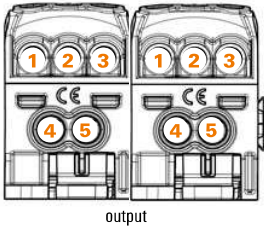


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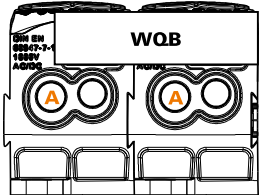


Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

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

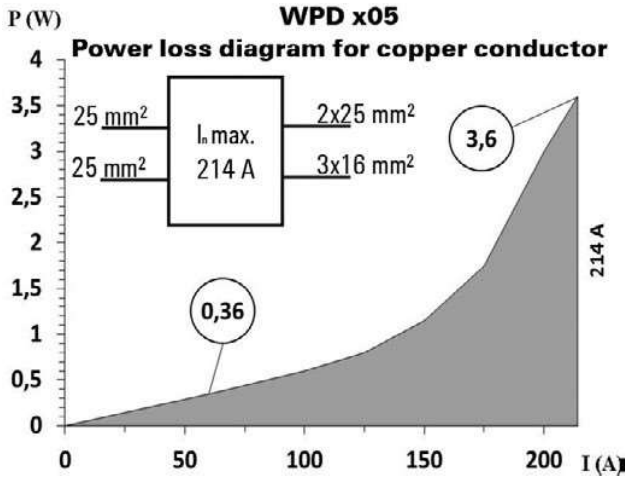


input

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 Nm	5,1 Nm		2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm	2,5 Nm	2,5 Nm	5,1 Nm										
16 mm ²																					
10 mm ²																					
6 mm ²																					
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.	50 A										
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					
AWG 8		22.1 Lb In.		22.1 Lb In.	22.1 Lb In.
AWG 10					
AWG 12					
AWG 14					
AWG 16					
max. current	115 A	85 A	85 A	85 A	
Voltage size C (CSA)	600 V				
* CP - connection point					

B

