

WPD 233 2X300/2X300 GY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option. Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

General ordering data

Version	Potential distributor terminal, Screw connection, Light Grey, 300 mm ² , 520 A, 1000 V, Number of connections: 4, Number of levels: 1
Order No.	2502900000
Type	WPD 233 2X300/2X300 GY
GTIN (EAN)	4050118516722
Qty.	1 pc(s).

WPD 233 2X300/2X300 GY

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Technical data

Dimensions and weights

Depth	83.5 mm	Depth (inches)	3.287 inch
Height	118 mm	Height (inches)	4.646 inch
Width	82.6 mm	Width (inches)	3.252 inch
Net weight	628 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Material data

Material	Wemid	Colour	Light Grey
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX18ATEX0016U	Certificate No. (IECEX)	IECEXCNEX18.0010U
Max. voltage (ATEX)	1100 V	Current (ATEX)	520 A
Wire cross section max. (ATEX)	300 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	520 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	4	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
PE function	No		

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Clamping range, max.	300 mm ²	Clamping range, min.	35 mm ²
Connection cross-section, stranded, max.	300 mm ²	Connection direction	on side
Number of connections	4	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	kcmil 500
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.	240 mm ²	Wire connection cross-section, solid core, max.	300 mm ²

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Technical data

General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	TS 35	Standards	IEC 60947-7-1, UL 1059, CSA
Wire connection cross section AWG, max.	kcmil 500	Wire connection cross section AWG, min.	AWG 16

Rating data

Rated cross-section	300 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	520 A	Current at maximum wires	520 A
Standards	IEC 60947-7-1, UL 1059, CSA	Volume resistance according to IEC 60947-7-x	0.06 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	16.64 W
Short-time withstand current resistance	8/20μs with 50 kA	Pollution severity	3
Surge voltage category	III		

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 without exemption
REACH SVHC	No SVHC above 0.1 wt%

Important note

Product information	You will find additional information in the downloadsection of the onlinecatalogue
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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_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/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

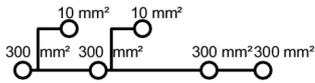
Approval/Certificate/Document of Conformity	UKCA Ex Attestation of Conformity CB Certificate FIMKO certificate CCC Ex Certificate ATEX Certificate IECEX Certificate UKCA Ex Certificate LMP 23.0563U- WPD (Rev. 0) DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	DATA SHEET WPD 233 StorageConditionsTerminalBlocks NTI WPD 233 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

WPD 233 2X300/2X300 GY

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Drawings



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

Input (x1) / Output (x1)	Copper		Aluminum	
	□	□	□	□
300 mm ²				
240 mm ²	45 Nm		65 Nm	65 Nm
185 mm ²	45 Nm			
150 mm ²				
120 mm ²				
95 mm ²				
70 mm ²	30 Nm			
50 mm ²				
35 mm ²				
Flat band 10x20x1 mm		65 Nm		340 A
Max. current with 2 x 300 mm ² (acc. to IEC)		1040 A		
Stripping lengths		34 mm		
Allen screw		M24 (SW 12 mm)		

Auxiliary connection

	Copper	
	□	□
10 mm ²		
6 mm ²		
4 mm ²	1,2 Nm	1,2 Nm
2,5 mm ²		
1,5 mm ²		
max. current		57 A
Stripping lengths		10 mm
screw		M4 (+/- PZ2)

Stranded Solid Flexible with ferrule Sector shaped Flat band

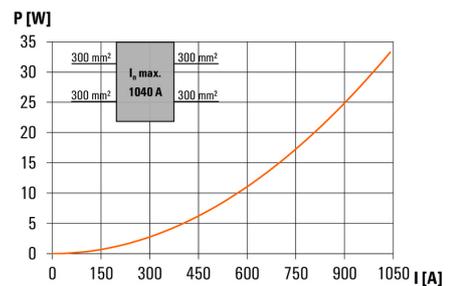
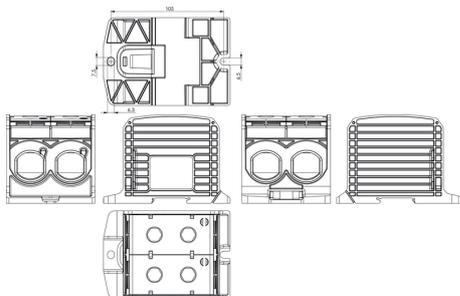
Conductor connection data according to UL 1059 (Al+Cu)

Input (x1) / Output (x1)	Copper		Aluminum	
	□	□	□	□
600 kcmil				
500 kcmil	300 lb in.		575 lb in.	575 lb in.
350 kcmil				
300 kcmil		300 lb in.		
250 kcmil				
AWG 3/0				
AWG 2/0		200 lb in.		
AWG 1				
AWG 2				
Max. current at 1 x 300 mm ² (acc. to UL)		420 A		340 A
Stripping lengths		34 mm		
Allen screw		M24 (SW 12 mm)		

Auxiliary connection

	Copper	
	□	□
AWG 8		
AWG 10		
AWG 12	20.3 lb in.	20.3 lb in.
AWG 14		
AWG 16		
max. current		57 A
Stripping lengths		10 mm
screw		M4 (+/- PZ2)

Stranded Solid Flexible with ferrule Sector shaped Flat band



Power feed-in

Screw connection

W-Series

WPD 133 1X300/1X300 GY



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

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	300 mm ² mm ²
	Auxiliary connection 6 mm ² mm ²
Rated impulse withstand voltage / Pollution severity	
Overvoltage category / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	300 mm ² mm ²
	Auxiliary connection 6 mm ² mm ²
Flexible with ferrule	300 mm ² mm ²
	Auxiliary connection 6 mm ² mm ²
Stripping length / Blade size	300 mm ² mm/-
	Auxiliary connection 6 mm ² mm/-
Tightening torque	Nm
Note	

Ordering data

Version	
	light grey
	blue
	green
	brown
	black
Note	

Accessories

Protective cover	light grey
End bracket	grey
	black
Screwdriver	SET
Identification systems	

WPD 133

300 mm²


45 / 83.5 / 118	
520 / 300	
35...300	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	1100
520	420	420	340
300	AWG 2...kcmil 600	AWG 2...kcmil 600	300
6	AWG 16...8	AWG 16...8	6
8 kV / 3			
III / V-0			

Rated connection	
150...300 / 150...300	
1.5...10 / 1.5...10	
35...240	
1.5...6	
34 / M24 (SW 12)	
10 / M4 (+/- PZ2)	
see appendix at the end of the chapter	

Type	Qty.	Order No.
WPD 133 1X300/1X300 GY	1	2502850000
WPD 133 1X300/1X300 BL	1	2502860000
WPD 133 1X300/1X300 GN	1	2502870000
WPD 133 1X300/1X300 BN	1	2502880000
WPD 133 1X300/1X300 BK	1	2502890000

Type	Qty.	Order No.
WPDPC X33 GY	8	2503390000
WEW 35/2 GR 7042	100	1859200000
AEB 35 SC/1 BK	50	2475310000
SK WSD-S 1,5-10,0	1	9008850000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MM WS	800	2007150000

WPD 233

300 mm²


82.6 / 83.5 / 118	
520 / 300	
35...300	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	1100
1040	420	420	340
300	AWG 2...kcmil 600	AWG 2...kcmil 600	300
6	AWG 16...8	AWG 16...8	6
8 kV / 3			
III / V-0			

Rated connection	
150...300 / 150...300	
1.5...10 / 1.5...10	
35...240	
1.5...6	
34 / M24 (SW 12)	
10 / M4 (+/- PZ2)	
see appendix at the end of the chapter	

Type	Qty.	Order No.
WPD 233 2X300/2X300 GY	1	2502900000
WPD 233 2X300/2X300 BL	1	2502910000
WPD 233 2X300/2X300 GN	1	2502920000
WPD 233 2X300/2X300 BN	1	2502930000
WPD 233 2X300/2X300 BK	1	2502940000

Type	Qty.	Order No.
WPDPC X33 GY	8	2503390000
WEW 35/2 GR 7042	100	1859200000
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SK WSD-S 1,5-10,0	1	9008850000
DEK 5/5 MC NE WS	1000	1609801044
WS 8/5 MM WS	800	2007150000

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

Input (x1) / Output (x1)	Copper			Aluminium	
					
300 mm ²	45 Nm	45 Nm	65 Nm	65 Nm	65 Nm
240 mm ²					
185 mm ²					
150 mm ²					
120 mm ²	30 Nm	65 Nm	65 Nm	65 Nm	65 Nm
95 mm ²					
70 mm ²					
50 mm ²					
35 mm ²	65 Nm				
Flat band 10x20x1 mm					
Max. current with 2 x 300 mm ² (acc. to IEC)	1040 A			340 A	
Stripping lengths	34 mm				
Allen screw	M24 (SW 12 mm)				

Input (x1) / Output (x1)	Copper		Aluminium	
				
600 kcmil	300Lb In.	300Lb In.	575Lb In.	575Lb In.
500 kcmil				
350 kcmil				
300 kcmil				
250 kcmil	200Lb In.	200Lb In.	200Lb In.	200Lb In.
AWG 3/0				
AWG 2/0				
AWG 1				
AWG 2	200Lb In.	200Lb In.	200Lb In.	200Lb In.
Max. current at 1 x 300 mm ² (acc. to UL)				
Stripping lengths	34 mm			
Allen screw	M24 (SW 12 mm)			

Auxiliary connection

	Copper	
		
10 mm ²	1,2 Nm	1,2 Nm
6 mm ²		
4 mm ²		
2.5 mm ²		
1.5 mm ²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/-PZ2)	

	Copper	
		
AWG 8	20.3Lb In.	20.3Lb In.
AWG 10		
AWG 12		
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+/- PZ2)	



Drawings

