

WPD 113 1X185+1X150/8X35 BK**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, black, 185 mm ² , 353 A, 1000 V, Number of connections: 10, Number of levels: 1
Order No.	2730360000
Type	WPD 113 1X185+1X150/8X35 BK
GTIN (EAN)	4064675034971
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	80.3 mm	Depth (inches)	3.161 inch
Height	126.3 mm	Height (inches)	4.972 inch
Width	62.6 mm	Width (inches)	2.465 inch
Net weight	740 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	black
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	10	Levels cross-connected internally	No
Rail	TS 35, Mounting plate	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Clamping range, max.	185 mm ²	Clamping range, min.	1.5 mm ²
Connection cross-section, stranded, max.	185 mm ²	Connection direction	on side
Number of connections	10	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	kcmil 300
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm ²	Wire connection cross-section, solid core, max.	185 mm ²

General

Number of poles	1	Rail	TS 35, Mounting plate
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	kcmil 300
Wire connection cross section AWG, min.	AWG 12		

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Technical data

Rating data

Rated cross-section	185 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	353 A	Current at maximum wires	353 A
Standards	IEC 60947-7-1	Rated impulse withstand voltage	8 kV
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 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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Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate no. (cULus)	E511333

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Technical data

Downloads

Approval/Certificate/Document of Conformity	VDE Certificate
	UL certificate
	Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	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 60947-1 (Cu)

Input	connection point 1 Cage		connection point 2 Cage		Input	connection point 1 + 2 Cage	
	U ₁₋₂	U ₂₋₃	U ₁₋₂	U ₂₋₃		U ₁₋₂	U ₂₋₃
180 mm ²		U ₂₋₃	U ₁₋₂	U ₂₋₃	35 mm ²	U ₁₋₂	U ₂₋₃
150 mm ²					30 mm ²	U ₂₋₃	
120 mm ²					25 mm ²		
100 mm ²					20 mm ²		
75 mm ²		25 Nm	25 Nm		16 mm ²	5 Nm	5 Nm
50 mm ²				25 Nm	12 mm ²		
35 mm ²					10 mm ²		
25 mm ²					6 mm ²		
16 mm ²					4 mm ²		
10 mm ²					2.5 mm ²		
Stripping length		25 mm			Stripping length		18 mm
Clearance		6 mm		6 mm	Clearance		10 mm

3-Phase

3-wire

3-Phase

4-wire

3-Phase

3-wire

3-Phase

4-wire

3-Phase

3-wire

3-Phase

4-wire

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3-Phase

4-wire

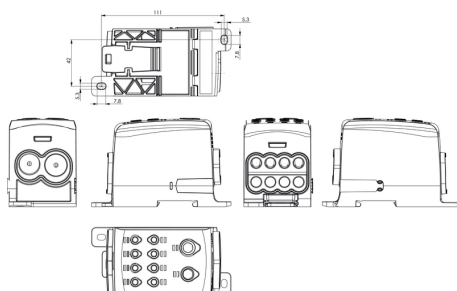
3-Phase

3-wire

3-Phase

4-wire

Conductor connection data according to IEC 1055 (Al+Cu)			
Conductor core (SR)		HSR2 500003	
Input (line)	connection point A		connection point B
	Copper	Aluminum	Copper
	C 3-20	C 3-20	C 3-20
	L 20-20	L 20-20	L 20-20
360 kVd			
240 kVd			
230 kVd			
210 kVd			
190 kVd			
170 kVd			
150 kVd			
max. current	2400 A	2000 A	2400 A
Voltage max. B.C. (SR)	310 A	270 A	310 A
	1000 V	1000 V	1000 V
Output	connection point 1/2/3/4/5/6/7/8		
	Copper	Aluminum	Aluminum
	C 3-20	C 3-20	L 20-20
	L 20-20	L 20-20	L 20-20
ANS 2			
ANS 3			
ANS 4			
ANS 5			
ANS 6			
ANS 7			
ANS 8			
ANS 12			
max. current	2400 A	2000 A	2400 A
Voltage max. B.C. (SR)	310 A	270 A	310 A
	1000 V	1000 V	1000 V



Power distribution

Screw connection

W-Series

WPD 113 1X185+1X150/8X35 GY

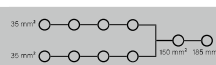


WPD 113

185 mm²

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

62.6 / 80.3 / 126.3
353 / 185
2.5...185



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	185 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	150 mm ²	mm ²
	35 mm ²	mm ²
Flexible with ferrule	150 mm ²	mm ²
	35 mm ²	mm ²
Stripping length / Blade size	185 mm ²	mm/-
	150 mm ²	mm/-
	35 mm ²	mm/-
Tightening torque		Nm
Note		

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

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
353	310	310	
185	350 kcmil	350 kcmil	
	8 kV / 3		
	III / V-0		

Rated connection

70...150 / 70...150
4...35 / 4...35
50...120 / 50...120
2.5...25
33 / M16
28 / M16
16 / M8
siehe Anhang am Kapitelende



B

Ordering data

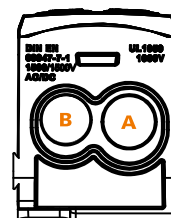
Version	
	grey
	blue
	red
	black
Note	

Type	Qty.	Order No.
WPD 1X185+1X150/8X35 GY	1	2603740000
WPD 1X185+1X150/8X35 BL	1	2603750000
WPD 1X185+1X150/8X35 RD	1	2730350000
WPD 1X185+1X150/8X35 BK	1	2730360000

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

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



Conductor connection data according to IEC 60947-7-1

Input	connection point A		connection point B			
	Copper		Copper			
						
185 mm ²	25 Nm	25 Nm	25 Nm	25 Nm		
150 mm ²						
120 mm ²						
95 mm ²						
70 mm ²						
50 mm ²						
Stripping lengths	33 mm		28 mm			
Allen screw	M16		M16			

 Mehrdrhtig  Eindrhtig  Feindrhtig mit Aderendhuse

Output	connection point 1-8	
	Copper	
		
35 mm ²	6 Nm	6 Nm
25 mm ²		
16 mm ²		
10 mm ²		
6 mm ²		
4 mm ²		
2,5 mm ²		
Stripping lengths		
Allen screw		

UL Rating data according to UL 1059

Certificate no. (UR)		XCFR2.E60693						
Input (line)	connection point A		connection point B					
	Copper		Aluminium					
								
350 kcmil	249.6 Lb In.	249.6 Lb In.	398.3 Lb In.	398.3 Lb In.	249.6 Lb In.	249.6 Lb In.	398.3 Lb In.	398.3 Lb In.
300 kcmil								
250 kcmil								
AWG 4/0								
AWG 3/0								
AWG 2/0						249.6 Lb In.		
AWG 1/0								
max. current	310 A	285 A	250 A	230 A	285 A	255 A	230 A	205 A
Voltage size B,C (UR)	1000 V				1000 V			

Output	connection point 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8			
	Copper		Aluminium	
				
AWG 2	124.8 Lb In.	124.8 Lb In.	124.8 Lb In.	124.8 Lb In.
AWG 3				
AWG 4				
AWG 6				
AWG 8				
AWG 10				
AWG 12				
AWG 14				
max. current	115 A	100 A	90 A	75 A
Voltage size B,C (UR)	1000 V			

 Stranded  Solid  Flexible with ferrule

B

