

WPD 113 1X185+1X150/8X35 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, 185 mm ² , 353 A, 1000 V, Number of connections: 10, Number of levels: 1
Order No.	2730350000
Type	WPD 113 1X185+1X150/8X35 RD
GTIN (EAN)	4064675034988
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate no. (cULus)	E511333

Dimensions and weights

Depth	80.3 mm	Depth (inches)	3.1614 inch
Height	126.3 mm	Height (inches)	4.9724 inch
Width	62.6 mm	Width (inches)	2.4646 inch
Net weight	740 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...85 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	9436182c-fbd0-49e8-bf45-a0deac7233a9

Material data

Basic material	Wemid	Colour	red
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
Mounting rail	TS 35, Mounting plate	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	kcmil 300	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection

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Number of connections	10	Clamping range, max.	85 mm ²
Clamping range, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 12
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	185 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	185 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

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

Rating data

Rated cross-section	185 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal current	353 A	Current at maximum wires	353 A
Standards	IEC 60947-7-1	Rated impulse withstand voltage	8 kV
Surge voltage category	III	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693
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Important note

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

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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Drawings

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

Input	connection point A		connection point B		connection point 1-8	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
185 mm²	25 Nm		25 Nm		6 Nm	
150 mm²			25 Nm			6 Nm
120 mm²			25 Nm			
95 mm²			25 Nm			
70 mm²						
50 mm²						
Stripping lengths	23 mm		20 mm		2.5 mm	18 mm
Allen screw	M10		M10			M8

 Stranded
 Solid
 Flexible with ferrule



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

Input (line)	connection point A		connection point B	
	Copper	Aluminum	Copper	Aluminum
350 kcmil				
300 kcmil	249.8 lb in.	398.3 lb in.		
250 kcmil			398.3 lb in.	249.8 lb in.
200 kcmil	249.8 lb in.	398.3 lb in.	249.8 lb in.	398.3 lb in.
150 kcmil				
100 kcmil				
75 kcmil				
50 kcmil				
max. current	310 A	285 A	250 A	230 A
max. current			285 A	255 A
max. current			285 A	230 A
max. current			255 A	205 A
Voltage max B.C. (UR)	1000 V		1000 V	

Output	connection point 1/2/3/4/5/6/7/8	
	Copper	Aluminum
JWS 2		
JWS 3		
JWS 4	124.8 lb in.	124.8 lb in.
JWS 5		
JWS 6	124.8 lb in.	124.8 lb in.
JWS 7		
JWS 8		
JWS 9		
JWS 10		
JWS 11	115 A	100 A
JWS 12		90 A
max. current	100 A	75 A
Voltage max B.C. (UR)	1000 V	

 Stranded
 Solid
 Flexible with ferrule

