

WPD 109 1X185/2X35+3X25+4X16 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 , 490 A, 1000 V, Number of connections: 10, Number of levels: 1
Order No.	2725270000
Type	WPD 109 1X185/2X35+3X25+4X16 RD
GTIN (EAN)	4050118796612
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	77 mm	Depth (inches)	3.0315 inch
Height	95 mm	Height (inches)	3.7401 inch
Width	51.1 mm	Width (inches)	2.0118 inch
Net weight	454 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	e1c310ef-6b67-4efa-80a6-d307472f4de9

Material data

Basic 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)	1100 V	Current (ATEX)	353 A
Wire cross section max. (ATEX)	185 mm ²	Max. voltage (IECEx)	1100 V
Current (IECEx)	353 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	Mounting rail	Mounting plate, TS 35
N-function	Yes	PE function	No
PEN function	No		

Additional technical data

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

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CSA rating data

Certificate number (cCSAus) 70128467

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
Number of connections	10	Clamping range, max.	185 mm ²
Clamping range, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 16
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.	70 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 16	Standards	IEC 60947-7-1, UL 1059
Mounting rail	Mounting plate, TS 35		

Rating data

Rated cross-section	185 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal current	490 A	Current at maximum wires	490 A
Standards	IEC 60947-7-1, UL 1059	Power loss in accordance with IEC 60947-7-x	12.50 W

UL rating data

Certificate No. (cURus) E60693

Important note

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

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

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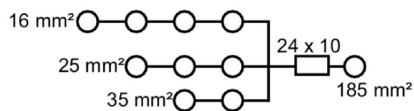
Technical data

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		

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Drawings


Conductor connection data according to IEC 60843-3-1 (Da)

Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m

Conductor connection data according to IEC 60843-3-1 (Da)

Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m

Conductor connection data according to UL 1088 (A-Cat)

Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m

Conductor connection data according to UL 1088 (A-Cat)

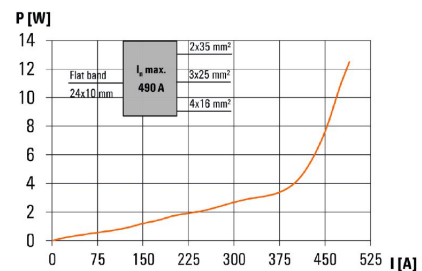
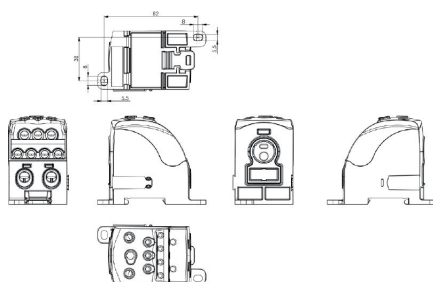
Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m

CSA rating data according to CSA 22.2 No. 100

Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m

CSA rating data according to CSA 22.2 No. 100

Conductor	Conductor cross-section	Conductor material	Conductor type	Conductor length	Conductor diameter	Conductor weight
16 mm²	16 mm²	Al	1 x 16	1.0 m	1.0 m	1.0 m
25 mm²	25 mm²	Al	1 x 25	1.0 m	1.0 m	1.0 m
35 mm²	35 mm²	Al	1 x 35	1.0 m	1.0 m	1.0 m
185 mm²	185 mm²	Al	1 x 185	1.0 m	1.0 m	1.0 m



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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 ST		

Slotted screwdriver

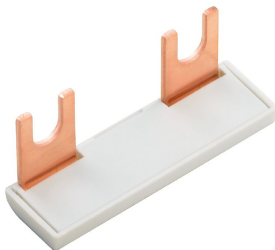


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

Cross connection



General ordering data

Type	WQB WPD X08-09/2	Version	
Order No.	1561900000	Cross-connector (terminal), Plugged, grey, 353 A, Number of poles: 2,	
GTIN (EAN)	4050118367096	Pitch in mm (P): 51.10, Insulated: Yes, Width: 74.6 mm	
Qty.	3 ST		