

W-Series
WPD 109 1X185/2X35+3X25+4X16 GY

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 www.weidmueller.com



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

Type	WPD 109 1X185/2X35+3X25+4X16 GY
Order No.	1562090000
Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
GTIN (EAN)	4050118384895
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	52.5 mm	Width (inches)	2.067 inch
Height	94 mm	Height (inches)	3.701 inch
Depth	77 mm	Depth (inches)	3.031 inch
Net weight	454 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C
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Material data

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

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	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		

Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection
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Rating data

Rated AC voltage	1,000 V AC	Rated DC voltage	1,500 V DC
Rated current	353 A	Current at maximum wires	353 A
Standards	IEC 60947-7-1, UL 1059		

UL rating data

Certificate No. (UR)	E60693	Current size B (UR)	310 A
Current size C (UR)	310 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Wire cross section max. (UR)	350 AWG

Classifications

ETIM 5.0	EC001329	ETIM 6.0	EC000897
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.1	27-14-11-20

Product information

Product information	Power distribution block (Bus Bar) also usable for distribution of neutral conductor and function earth.
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Creation date September 14, 2017 10:56:34 AM CEST

Catalogue status 08.09.2017 / We reserve the right to make technical changes.

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Data sheet**W-Series**
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1001_20160419_009_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD](#)

Engineering Data

[STEP](#)**Safety note**

Safety notice

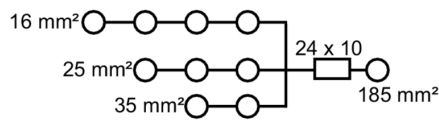
[Safety Information](#)

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Drawings



Technical data

Inputs

Number of connections

Solid

Stranded

Flexible with ferrule

Ribbon cable

Torque

Clamping screw

Stripping length

Outputs

Number of connections

Solid

Stranded

Flexible with ferrule

Torque

Clamping screw

Stripping length

No. of poles

Note

IEC 60947-7-1, UL 1059

top

mid./left

mid./mid.

mid./right

bottom

1

1

95...185mm²

70...185mm²

70...150mm²

24 x 10 mm

19Nm

3Nm

M 14 x 1

M 6 x 30

27mm

22mm

top

mid./left

mid./mid.

mid./right

bottom

3

4

2

2.5...25mm²

1.5...16mm²

4...35mm²

2.5...25mm²

1.5...16mm²

4...35mm²

1.5...16mm²

1.5...16mm²

2.5...25mm²

2Nm

2Nm

2.5Nm

M 6 x 8

M 6 x 8

M 8 x 10

12mm

12mm

18mm

1