

W-Series
WPD 105 1x35+1x16/2x25+3x16 GY

Weidmüller Interface GmbH & Co. KG
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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 105 1x35+1x16/2x25+3x16 GY
Order No.	1562170000
Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
GTIN (EAN)	4050118385250
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	37.1 mm	Width (inches)	1.461 inch
Height	70 mm	Height (inches)	2.756 inch
Depth	53.7 mm	Depth (inches)	2.114 inch
Net weight	138 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		

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	125 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	125 A	Wire cross section max. (IECEX)	35 mm ²

System specifications

Version	Screw connection	Tightening torque (clamping screw for aluminium conductors)	11.3...35 Nm (35 mm ²) / 5.1...16 Nm (16 mm ²)
Tightening torque (clamping screw for copper conductors)	3.5 Nm (35 mm ²) / 2.5 Nm (25 mm ²)	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		

CSA rating data

Certificate number (cCSAus)	70128467
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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	1,000 V DC
Rated current	125 A	Current at maximum wires	125 A
Standards	IEC 60947-7-1, UL 1059		

Data sheet

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Technical data

UL rating data

Certificate No. (UR)	E60693	Current size B (UR)	115 A
Current size C (UR)	115 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Wire cross section max. (UR)	2 AWG
Wire cross section min. (UR)	12 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.

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PT1001_20160419_005_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP

Safety note

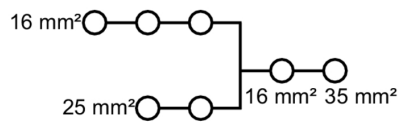
Safety notice [Safety Information](#)

Data sheet

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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
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	1		1	
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	4...35mm ²		1.5...16mm ²	
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	4...35mm ²		1.5...16mm ²	
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	2.5...25mm ²		1.5...10mm ²	
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	3.5Nm		2.5Nm	
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	M 8		M 6	
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	19mm		19mm	
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top	mid./left	mid./mid.	mid./right	bottom
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3				2
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1.5...16mm ²				2.5...25mm ²
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1.5...16mm ²				2.5...25mm ²
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1.5...10mm ²				1.5...16mm ²
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2.5Nm				2.5Nm
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M 6				M 6
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12mm				14mm
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