

**W-Series**  
**WPD 501 2X25/2X16 5XGY****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Product image****Power distribution**

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

**General ordering data**

Type	WPD 501 2X25/2X16 5XGY
Order No.	<a href="#">1561750000</a>
Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
GTIN (EAN)	4050118366556
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	88.8 mm	Width (inches)	3.496 inch
Height	55.7 mm	Height (inches)	2.193 inch
Depth	49.3 mm	Depth (inches)	1.941 inch
Net weight	342 g		

**Temperatures**

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Material data**

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

**System specifications**

Version	Screw connection	Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm <sup>2</sup> )
Tightening torque (clamping screw for copper conductors)	2.5 Nm (1.5 mm <sup>2</sup> )	End cover plate required	No
Number of potentials	5	Number of levels	1
No. of clamping points per level	10	Number of potentials per tier	5
Levels cross-connected internally	No	PE connection	No
N-function	No	PE function	No
PEN function	No		

**Additional technical data**

Installation advice	Terminal rail / mounting plate	Open sides	closed
Snap-on	No	Type of mounting	Snap-on
With snap-in pegs	No		

**Conductors for clamping (rated connection)**

Connection direction	on side	Type of connection	Screw connection
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**Rating data**

Rated voltage	1,000 V	Rated AC voltage	1,000 V AC
Rated DC voltage	1,000 V DC	Rated current	152 A
Current at maximum wires	152 A	Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2

**Data sheet**

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**Technical data**

**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 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1001_20160420_026_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN.WSCAD</a>
Engineering Data	<a href="#">STEP</a>

**Safety note**

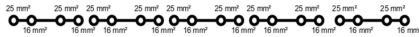
Safety notice [Safety Information](#)

**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, IEC 61238-1

top	mid./left	mid./mid.	mid./right	bottom
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5

5

2.5...25mm<sup>2</sup>

2.5...16mm<sup>2</sup>

2.5...25mm<sup>2</sup>

2.5...16mm<sup>2</sup>

1.5...16mm<sup>2</sup>

1.5...10mm<sup>2</sup>

2.5Nm

2.5Nm

M 6

M 6

19mm

19mm

top	mid./left	mid./mid.	mid./right	bottom
-----	-----------	-----------	------------	--------

5

5

2.5...25mm<sup>2</sup>

2.5...16mm<sup>2</sup>

2.5...25mm<sup>2</sup>

2.5...16mm<sup>2</sup>

1.5...16mm<sup>2</sup>

1.5...10mm<sup>2</sup>

2.5Nm

2.5Nm

M 6

M 6

19mm

19mm

5

Aluminium conductor 16 mm<sup>2</sup> = 4.0 Nm; 25 mm<sup>2</sup> = 4.0 Nm