

**W-Series**  
**WPD 501 2X25/2X16 1XGN/3XGY/1XBL****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 1XGN/3XGY/1XBL   |
| Order No.  | <a href="#">1562140000</a>   |
| Version    | W-Series, Distribution block, Rated cross-section:<br>Screw connection, Terminal rail / mounting plate |
| GTIN (EAN) | 4050118385229  |
| 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 |
|------------|----------------|

**Material data**

|                           |       |        |                         |
|---------------------------|-------|--------|-------------------------|
| Material                  | Wemid | Colour | blue, green, 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   | Yes                           | 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 |
|----------------------|---------|--------------------|------------------|

**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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**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_025_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**

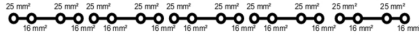
Safety notice [Safety Information](#)

**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 |
|-----|-----------|-----------|------------|--------|
|-----|-----------|-----------|------------|--------|

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