

**WPD 501 2X25/2X16 1XGN/3XGY/1XBL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Potential distributor terminal, Screw connection, Light Grey, 25 mm <sup>2</sup> , 152 A, 1000 V, Number of connections: 20, Number of levels: 1 |
| Order No.  | <a href="#">1562140000</a>                                                                                                                       |
| Type       | WPD 501 2X25/2X16 1XGN/3XGY/1XBL                                                                                                                 |
| GTIN (EAN) | 4050118385229                                                                                                                                    |
| Qty.       | 1 items                                                                                                                                          |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 49.3 mm | Depth (inches)  | 1.9409 inch |
| Height     | 55.7 mm | Height (inches) | 2.1929 inch |
| Width      | 88.8 mm | Width (inches)  | 3.4961 inch |
| Net weight | 341.9 g |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...85 °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                                 | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic material            | Wemid | Colour | Light Grey |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |                  |                               |     |
|-------------------------------------|------------------|-------------------------------|-----|
| Version                             | Screw connection | End cover plate required      | No  |
| Number of potentials                | 5                | Number of levels              | 1   |
| Number of clamping points per level | 10               | Number of potentials per tier | 5   |
| Levels cross-connected internally   | No               | PE connection                 | No  |
| Mounting rail                       | TS 35            | N-function                    | Yes |
| PE function                         | No               | PEN function                  | No  |

## Additional technical data

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

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                                         |                  |                      |                  |
|-----------------------------------------|------------------|----------------------|------------------|
| Wire connection cross section AWG, max. | AWG 4            | Connection direction | on side          |
| Type of connection 2                    | Screw connection | Type of connection   | Screw connection |

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### Technical data

|                                                                                         |                     |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Number of connections                                                                   | 20                  | Clamping range, max.                                                                    | 35 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | 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 <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded, max.                                    | 0 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 25 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 25 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                    |

### General

|                     |                                        |                                         |        |
|---------------------|----------------------------------------|-----------------------------------------|--------|
| Number of poles     | 5                                      | Wire connection cross section AWG, max. | AWG 4  |
| Installation advice | Terminal rail / mounting plate         | Wire connection cross section AWG, min. | AWG 16 |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Mounting rail                           | TS 35  |

### Rating data

|                     |                                        |                          |        |
|---------------------|----------------------------------------|--------------------------|--------|
| Rated cross-section | 25 mm <sup>2</sup>                     | Rated voltage            | 1000 V |
| Rated AC voltage    | 1000 V                                 | Rated DC voltage         | 1000 V |
| Nominal current     | 152 A                                  | Current at maximum wires | 152 A  |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 |                          |        |

### Classifications

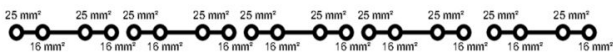
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 |             |             |

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## Drawings



### Conductor connection data according to UL 1059 (Al+Cu)

| Certificate no. (UR) XCFR2.E60693 |            |          |            |            |      |
|-----------------------------------|------------|----------|------------|------------|------|
| Input (line)                      | Line       |          | Load       |            |      |
|                                   | Copper     | Aluminum | Copper     | Aluminum   |      |
| AWG 4                             |            |          |            |            |      |
| AWG 6                             |            | 35 Lb In |            |            |      |
| AWG 8                             |            |          |            |            |      |
| AWG 10                            | 22.1 Lb In |          | 22.1 Lb In |            |      |
| AWG 12                            |            |          |            | 22.1 Lb In |      |
| AWG 14                            |            |          |            |            |      |
| AWG 16                            |            |          |            |            |      |
| max. current                      | 90 A       | 90 A     | 65 A       | 65 A       | 50 A |
| Voltage size B,C (UR)             | 600 V      |          |            |            |      |

 Stranded
  Solid
  Flexible with ferrule

### CSA Rating data according to CSA 22.2 No. 158 ng data

| Certificate no. (cURus) XCFR2.E60693 |        |          |        |          |      |
|--------------------------------------|--------|----------|--------|----------|------|
| Input (line)                         | Line   |          | Load   |          |      |
|                                      | Copper | Aluminum | Copper | Aluminum |      |
| AWG 4                                |        |          |        |          |      |
| AWG 6                                |        | 4 Nm     |        |          |      |
| AWG 8                                |        |          |        |          |      |
| AWG 10                               | 2.5 Nm |          | 2.1 Nm |          |      |
| AWG 12                               |        |          |        | 2.1 Nm   |      |
| AWG 14                               |        |          |        |          |      |
| AWG 16                               |        |          |        |          |      |
| max. current                         | 90 A   | 90 A     | 65 A   | 65 A     | 50 A |
| Voltage size B,C (UR)                | 600 V  |          |        |          |      |

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