

**WPD 100 2X25/6X10 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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, black, 25 mm <sup>2</sup> , 101 A, 1000 V, Number of connections: 8, Number of levels: 1 |
| Order No.  | <a href="#">2814490000</a>   |
| Type       | WPD 100 2X25/6X10 BK   |
| GTIN (EAN) | 4064675299721  |
| Qty.       | 3 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 49 mm   | Depth (inches)  | 1.9291 inch |
| Height     | 55.4 mm | Height (inches) | 2.1811 inch |
| Width      | 30.2 mm | Width (inches)  | 1.189 inch  |
| Net weight | 102 g   |                 |             |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| 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 | black |
| UL 94 flammability rating | V-0   |        |       |

## System specifications

|                                     |                  |                                   |     |
|-------------------------------------|------------------|-----------------------------------|-----|
| Version                             | Screw connection | End cover plate required          | No  |
| Number of potentials                | 1                | Number of levels                  | 1   |
| Number of clamping points per level | 2                | Levels cross-connected internally | Yes |
| Mounting rail                       | TS 35            | N-function                        | No  |
| PE function                         | No               | PEN function                      | No  |

## Additional technical data

|                          |     |                  |         |
|--------------------------|-----|------------------|---------|
| 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   |
| Number of connections                   | 8                   | Clamping range, max.                    | 25 mm <sup>2</sup> |
| Clamping range, min.                    | 1.5 mm <sup>2</sup> | Wire connection cross section AWG, min. | AWG 16             |

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|   |                     |   |                    |
|---|---------------------|---|--------------------|
| 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                         | 1      | Wire connection cross section AWG, max. | AWG 4                  |
| Wire connection cross section AWG, min. | AWG 16 | Standards                               | UL 1059, IEC 60947-7-1 |
| 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     | 101 A                  | Current at maximum wires | 101 A  |
| Standards           | UL 1059, IEC 60947-7-1 |                          |        |

### Classifications

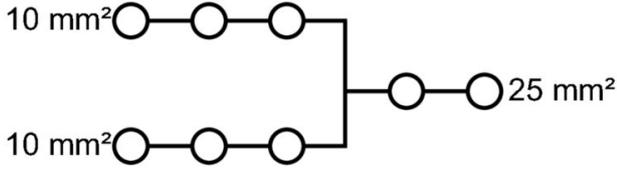
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 |             |             |

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Drawings

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Conductor connection data according to DIN EN 60998-1 (Cu), IEC 61238-1 class A (Cu+Al)

| Output (x2)       | Copper       |     | Aluminium |      | Output (x6)       | Copper       |     | Aluminium |      |
|-------------------|--------------|-----|-----------|------|-------------------|--------------|-----|-----------|------|
|                   | □-□          | □-□ | □-□       | □-□  |                   | □-□          | □-□ | □-□       | □-□  |
| 2x25 mm²          | □-□          | □-□ | □-□       | □-□  | 6x10 mm²          | □-□          | □-□ | □-□       | □-□  |
| 25 mm²            |              |     |           | 8 Nm | 10 mm²            |              |     |           |      |
| 18 mm²            |              |     |           |      | 8 mm²             |              |     |           |      |
| 10 mm²            |              |     | 3 Nm      |      | 4 mm²             |              |     |           |      |
| 6 mm²             |              |     |           |      | 2.5 mm²           | 2 Nm         |     | 2 Nm      | 3 Nm |
| 4 mm²             |              |     |           |      | 1.5 mm²           |              |     |           |      |
| 2.5 mm²           |              |     |           |      |                   |              |     |           |      |
| 1.5 mm²           |              |     |           |      |                   |              |     |           |      |
| Stripping lengths | 17 mm        |     |           |      | Stripping lengths | 9 mm         |     |           |      |
| screw             | M6 (+/- PZ2) |     |           |      | screw             | M6 (+/- PZ2) |     |           |      |

□-□ Standed   
  □-□ Solid   
  □-□ Flexible with female

