

**WPD 103 2X70/2X50 BN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, brown, 70 mm <sup>2</sup> , 300 A, 1000 V, Number of connections: 4, Number of levels: 1 |
| Order No.  | <a href="#">1561820000</a>   |
| Type       | WPD 103 2X70/2X50 BN   |
| GTIN (EAN) | 4050118366785  |
| Qty.       | 3 items  |

## WPD 103 2X70/2X50 BN

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

www.weidmueller.com

## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 53.3 mm | Depth (inches)  | 2.0984 inch |
| Height     | 63 mm   | Height (inches) | 2.4803 inch |
| Width      | 32.8 mm | Width (inches)  | 1.2913 inch |
| Net weight | 171 g   |                 |             |

### Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °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 | brown |
| 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                | Number of potentials per tier | 1  |
| Levels cross-connected internally   | Yes              | PE connection                 | No |
| Mounting rail                       | TS 35            | N-function                    | No |
| PE function                         | No               | PEN function                  | No |

### Additional technical data

|                          |     |                     |                                |
|--------------------------|-----|---------------------|--------------------------------|
| With snap-in pegs        | Yes | Open sides          | closed                         |
| Snap-on                  | Yes | 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

**WPD 103 2X70/2X50 BN**

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

www.weidmueller.com

**Technical data**

**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   | 4                 | Clamping range, max.  | 70 mm <sup>2</sup> |
| Clamping range, min.  | 4 mm <sup>2</sup> | Wire connection cross section AWG, min.   | AWG 14             |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 4 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 50 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 4 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 0 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 4 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 70 mm <sup>2</sup> |
| Connection cross-section, stranded, min.  | 4 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 70 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.   | 4 mm <sup>2</sup> |   |                    |

**General**

|                     |  |   |        |
|---------------------|--|---|--------|
| Number of poles     | 1                                      | Wire connection cross section AWG, max. | AWG 4  |
| Installation advice | Terminal rail / mounting plate         | Wire connection cross section AWG, min. | AWG 14 |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Mounting rail                           | TS 35  |

**Rating data**

|                     |  |   |        |
|---------------------|--|---|--------|
| Rated cross-section | 70 mm <sup>2</sup>                     | Rated voltage                               | 1000 V |
| Rated AC voltage    | 1000 V                                 | Rated DC voltage                            | 1000 V |
| Nominal current     | 300 A                                  | Current at maximum wires                    | 300 A  |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Power loss in accordance with IEC 60947-7-x | 2.10 W |

**UL rating data**

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

**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 |             |             |

WPD 103 2X70/2X50 BN







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

Drawings

www.weidmueller.com












CSA Rating data according to CSA 22.2 No. 158

| Input (line)          | Line  |   |   | Load  |   |   |
|-----------------------|---|---|---|---|---|---|
|                       | Copper  | Aluminum  |   | Copper  | Aluminum  |   |
| AWG 4                 |  |  |  |  |  |  |
| AWG 6                 |   |   |   |   |   |   |
| AWG 8                 |   |   |   |   |   |   |
| AWG 10                |   |   |   |   |   |   |
| AWG 12                |   |   |   |   |   |   |
| AWG 14                |   |   |   |   |   |   |
| AWG 16                |   |   |   |   |   |   |
| max. current          | 160 A   | 150 A   | 135 A   | 150 A   | 115 A   | 120 A   |
| Voltage size B,C (UR) | 600 V   |   |   |   |   |   |







 Stranded  
 Solid  
 Flexible with ferrule

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

| Input (line)          | Line  |   |   | Load  |   |   |
|-----------------------|---|---|---|---|---|---|
|                       | Copper  | Aluminum  |   | Copper  | Aluminum  |   |
| AWG 4                 |  |  |  |  |  |  |
| AWG 6                 |   |   |   |   |   |   |
| AWG 8                 |   |   |   |   |   |   |
| AWG 10                |   |   |   |   |   |   |
| AWG 12                |   |   |   |   |   |   |
| AWG 14                |   |   |   |   |   |   |
| AWG 16                |   |   |   |   |   |   |
| max. current          | 160 A   | 150 A   | 135 A   | 150 A   | 115 A   | 120 A   |
| Voltage size B,C (UR) | 600 V   |   |   |   |   |   |

 Stranded  
 Solid  
 Flexible with ferrule

CSA Rating data according to CSA 22.2 No. 158

| Input (line)          | Line  |   |   | Load  |   |   |
|-----------------------|---|---|---|---|---|---|
|                       | Copper  | Aluminum  |   | Copper  | Aluminum  |   |
| AWG 4                 |  |  |  |  |  |  |
| AWG 6                 |   |   |   |   |   |   |
| AWG 8                 |   |   |   |   |   |   |
| AWG 10                |   |   |   |   |   |   |
| AWG 12                |   |   |   |   |   |   |
| AWG 14                |   |   |   |   |   |   |
| AWG 16                |   |   |   |   |   |   |
| max. current          | 160 A   | 150 A   | 135 A   | 150 A   | 115 A   | 120 A   |
| Voltage size B,C (UR) | 600 V   |   |   |   |   |   |

 Stranded  
 Solid  
 Flexible with ferrule

