

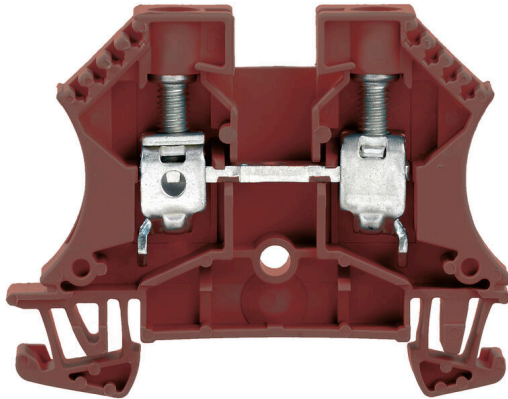
**WDU 10 BR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |  |
|------------|--|
| Version    | Feed-through terminal block, Screw / solder connection, brown, 10 mm <sup>2</sup> , 57 A, 1000 V, Number of connections: 2 |
| Order No.  | <a href="#">2821630000</a>   |
| Type       | WDU 10 BR  |
| GTIN (EAN) | 4064675359357  |
| Qty.       | 50 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 46.5 mm | Depth (inches)  | 1.8307 inch |
| Height     | 60 mm   | Height (inches) | 2.3622 inch |
| Width      | 9.9 mm  | Width (inches)  | 0.3898 inch |
| Net weight | 17.6 g  |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C         |

## Environmental Product Compliance

|                          |                             |                  |  |
|--------------------------|-----------------------------|------------------|--|
| RoHS Compliance Status   | Compliant without exemption |                  |  |
| REACH SVHC               | No SVHC above 0.1 wt%       |                  |  |
| Product Carbon Footprint | Cradle to gate              | 0,154 kg CO2 eq. |  |

## Material data

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

## System specifications

|                                     |   |                               |       |
|-------------------------------------|---|-------------------------------|-------|
| Version                             | Screw connection, for screwable cross-connection, One end without connector | End cover plate required      | Yes   |
| 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   | No  | Mounting rail                 | TS 35 |
| N-function                          | No  | PE function                   | No    |
| PEN function                        | No  |                               |       |

## Additional technical data

|                  |         |                          |     |
|------------------|---------|--------------------------|-----|
| Open sides       | right   | 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)

|                      |         |   |       |
|----------------------|---------|---|-------|
| Gauge to IEC 60947-1 | B6      | Wire connection cross section AWG, max. | AWG 6 |
| Connection direction | on side | Stripping length                        | 12 mm |

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## Technical data

|   |                           |   |                      |
|---|---------------------------|---|----------------------|
| Type of connection  | Screw / solder connection | Number of connections   | 2                    |
| Clamping range, max.  | 16 mm <sup>2</sup>        | Clamping range, min.  | 1.31 mm <sup>2</sup> |
| Blade size  | 1.0 x 5.5 mm              | Wire connection cross section AWG, min.   | AWG 16               |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>        | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.31 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. | 1.31 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>        | Wire connection cross section, finely stranded, min.                                    | 1.31 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 10 mm <sup>2</sup>        | Connection cross-section, stranded, min.  | 1.31 mm <sup>2</sup> |
| Twin wire-end ferrules, max.  | 6 mm <sup>2</sup>         | Twin wire-end ferrules, min.  | 1.5 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.   | 16 mm <sup>2</sup>        | Wire connection cross-section, solid core, min.   | 1.31 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.   | 1.31 mm <sup>2</sup>      |   |                      |

### General

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 6         | Wire connection cross section AWG, min. | AWG 16 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

### Rating data

|  |                    |                                 |               |
|--|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 10 mm <sup>2</sup> | Rated voltage                   | 1000 V        |
| Rated DC voltage                             | 1000 V             | Nominal current                 | 57 A          |
| Current at maximum wires                     | 76 A               | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.56 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Pollution severity                           | 3                  |                                 |               |

### Classifications

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

**Drawings**

