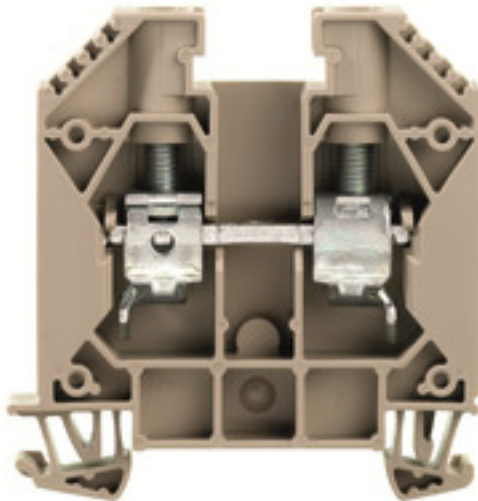


**W-Series  
WDU 16 IR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                           |
|------------|---------------------------------------------------------------------------|
| Type       | WDU 16 IR                                                                 |
| Order No.  | <a href="#">1393390000</a>                                                |
| Version    | Feed-through terminal, Screw connection, 16 mm², 1000 V, 76 A, dark beige |
| GTIN (EAN) | 4050118323511                                                             |
| Qty.       | 50 pc(s).                                                                 |

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 11.9 mm | Width (inches)  | 0.469 inch |
| Height     | 60 mm   | Height (inches) | 2.362 inch |
| Depth      | 62.5 mm | Depth (inches)  | 2.461 inch |
| Net weight | 29.46 g |                 |            |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C        |                                  |        |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**Rating data IECEx/ATEX**

|                                |                    |                                 |                    |
|--------------------------------|--------------------|---------------------------------|--------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U   | Certificate No. (IECEX)         | IECEXULD14.0005U   |
| Max. voltage (ATEX)            | 690 V              | Current (ATEX)                  | 76 A               |
| Wire cross section max. (ATEX) | 16 mm <sup>2</sup> | Max. voltage (IECEX)            | 690 V              |
| Current (IECEX)                | 76 A               | Wire cross section max. (IECEX) | 16 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb      | Ex 2014/34/EU label             | II 2 G D           |

**System specifications**

|                                                             |                                                                                       |                                                                |      |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------|------|
| Version                                                     | Screw connection,<br>for screwable cross-<br>connection, One end<br>without connector | Tightening torque (clamping screw for<br>aluminium conductors) | 3 Nm |
| Tightening torque (clamping screw for<br>copper conductors) | 3...4 Nm                                                                              | End cover plate required                                       | Yes  |
| Number of potentials                                        | 1                                                                                     | Number of levels                                               | 1    |
| No. of clamping points per level                            | 2                                                                                     | Number of potentials per tier                                  | 1    |
| Levels cross-connected internally                           | No                                                                                    | PE connection                                                  | No   |
| Rail                                                        | TS 35                                                                                 | N-function                                                     | No   |
| PE function                                                 | No                                                                                    | PEN function                                                   | Yes  |

**Additional technical data**

|                             |         |            |       |
|-----------------------------|---------|------------|-------|
| Number of similar terminals | 1       | Open sides | right |
| Type of mounting            | Snap-on |            |       |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Current size C (CSA)          | 85 A  |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 18 AWG         |                               |       |

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | TX 15                | Clamping range, max.                                                                    | 25 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.82 mm <sup>2</sup> | Clamping screw                                                                          | M 5                 |
| Connection cross-section, stranded, max.                                                | 25 mm <sup>2</sup>   | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | B7                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 16 mm               |
| Tightening torque, max.                                                                 | 4 Nm                 | Tightening torque, min.                                                                 | 3 Nm                |
| Twin wire-end ferrules, max.                                                            | 10 mm <sup>2</sup>   | Twin wire-end ferrules, min.                                                            | 1.5 mm <sup>2</sup> |
| Type of connection                                                                      | Screw connection     | Wire connection cross section AWG, max.                                                 | AWG 6               |
| Wire connection cross section AWG, min.                                                 | AWG 14               | Wire connection cross section, finely stranded, max.                                    | 25 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 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. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded, 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.                                         | 1.5 mm <sup>2</sup>  |                                                                                         |                     |

**Rating data**

|                                 |                    |                                              |         |
|---------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section             | 16 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                   | 76 A               | Current at maximum wires                     | 101 A   |
| Standards                       | IEC 60947-7-1      | Volume resistance according to IEC 60947-7-x | 0.42 mΩ |
| Rated impulse withstand voltage | 8 kV               | Pollution severity                           | 3       |

**UL rating data**

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 4 AWG |
| Conductor size Factory wiring min. (UR) | 18 AWG | Conductor size Field wiring max. (UR)   | 4 AWG |
| Conductor size Field wiring min. (UR)   | 18 AWG | Current size C (UR)                     | 85 A  |
| Voltage size C (UR)                     | 600 V  |                                         |       |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | ETIM 5.0   | EC000897    |
| ETIM 6.0   | EC000897    | UNSPSC     | 30-21-18-11 |
| eClass 5.1 | 27-14-11-20 | 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 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                   |
| Engineering Data                            | <a href="#">STEP</a>                                                  |
| User Documentation                          | <a href="#">NTI WDU/WPE 16.pdf</a>                                    |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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## Drawings

