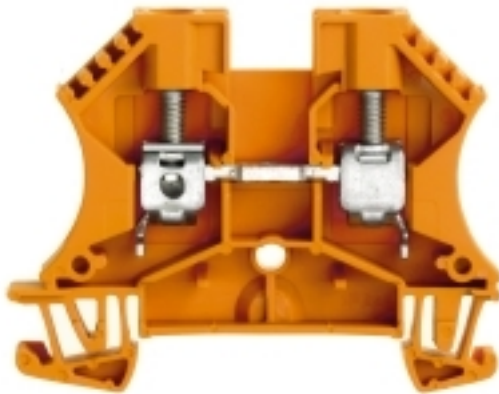


**W-Series  
WDU 6 OR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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 6 OR                                                                         |
| Order No.  | <a href="#">1020260000</a>                                                       |
| Version    | Feed-through terminal, Screw connection, 6 mm <sup>2</sup> , 800 V, 41 A, orange |
| GTIN (EAN) | 4008190861278                                                                    |
| Qty.       | 100 pc(s).                                                                       |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 7.9 mm  | Width (inches)  | 0.311 inch |
| Height                   | 60 mm   | Height (inches) | 2.362 inch |
| Depth                    | 46.5 mm | Depth (inches)  | 1.831 inch |
| Depth including DIN rail | 47 mm   | Weight          | 14.8 g     |
| Net weight               | 12.8 g  |                 |            |

**Temperatures**

|                                  |                                                                                                   |                                  |                |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|----------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 55 °C          |
| Storage temperature, min.        | -25 °C                                                                                            | Storage temperature              | -25 °C...55 °C |
| Continuous operating temp., min. | -60 °C                                                                                            | Continuous operating temp., max. | 130 °C         |

**Material data**

|                           |       |        |        |
|---------------------------|-------|--------|--------|
| Material                  | Wemid | Colour | orange |
| 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)                  | 41 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 690 V             |
| Current (IECEX)                | 41 A                                                                                              | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              | Ex eb II C Gb     |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                   |

**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                                                                          | PE connection                 | No  |
| Rail                                | TS 35                                                                       | N-function                    | No  |
| PE function                         | No                                                                          | PEN function                  | No  |

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 2.5 mm <sup>2</sup> |

**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

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**Technical data**
**CSA rating data**

|                               |                |
|-------------------------------|----------------|
| Certificate No. (CSA)         | 200039-1057876 |
| Voltage size C (CSA)          | 600 V          |
| Wire cross section min. (CSA) | 22 AWG         |

|                               |       |
|-------------------------------|-------|
| Current size C (CSA)          | 50 A  |
| Wire cross section max. (CSA) | 8 AWG |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Blade size                                                                              | 0.8 x 4.0 mm         |
| Clamping range, min.                                                                    | 0.22 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 10 mm <sup>2</sup>   |
| Connection direction                                                                    | on side              |
| Number of connections                                                                   | 2                    |
| Tightening torque, max.                                                                 | 1.6 Nm               |
| Torque level with DMS electric screwdriver                                              | 3                    |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, max.                                                 | AWG 8                |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.                                         | 10 mm <sup>2</sup>   |

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Clamping range, max.                                                                    | 10 mm <sup>2</sup>  |
| Clamping screw                                                                          | M 3.5               |
| Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Gauge to IEC 60947-1                                                                    | A5                  |
| Stripping length                                                                        | 12 mm               |
| Tightening torque, min.                                                                 | 0.8 Nm              |
| Twin wire-end ferrules, max.                                                            | 4 mm <sup>2</sup>   |
| Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**Rating data**

|                                             |                   |
|---------------------------------------------|-------------------|
| Rated cross-section                         | 6 mm <sup>2</sup> |
| Rated current                               | 41 A              |
| Standards                                   | IEC 60947-7-1     |
| Power loss in accordance with IEC 60947-7-x | 1.31 W            |
| Pollution severity                          | 3                 |

|                                              |         |
|----------------------------------------------|---------|
| Rated voltage                                | 800 V   |
| Current at maximum wires                     | 57 A    |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage              | 8 kV    |

**UL rating data**

|                                         |        |
|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 |
| Conductor size Factory wiring min. (UR) | 22 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG |
| Voltage size C (UR)                     | 600 V  |

|                                         |       |
|-----------------------------------------|-------|
| Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Field wiring max. (UR)   | 8 AWG |
| Current size C (UR)                     | 50 A  |

**Classifications**

|             |             |
|-------------|-------------|
| ETIM 6.0    | EC000897    |
| eClass 9.0  | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 |

|            |             |
|------------|-------------|
| ETIM 7.0   | EC000897    |
| eClass 9.1 | 27-14-11-20 |
| UNSPSC     | 30-21-18-11 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[Attestation of Conformity](#)  
[IECEX Certificate](#)  
[CB Testreport](#)  
[CB Certificate](#)  
[EAC certificate](#)  
[DNVGL certificate](#)  
[NEMKO certificate](#)  
[INMETRO certificate](#)  
[Lloyds Register Certificate](#)  
[MARITREG Certificate](#)  
[POLSKIREJ certificate](#)  
[DE\\_PT1001\\_20160414\\_228\\_ISSUE01.pdf](#)  
[ATEX Certificate](#)  
[Declaration of Conformity Terminals](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Engineering Data

[STEP](#)

User Documentation

[NTI WDU/WPE 6](#)  
[StorageConditionsTerminalBlocks](#)

### Safety note

Safety notice

[Safety Information](#)

**Data sheet****W-Series  
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**Drawings**