

**W-Series  
WDU 10 RT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

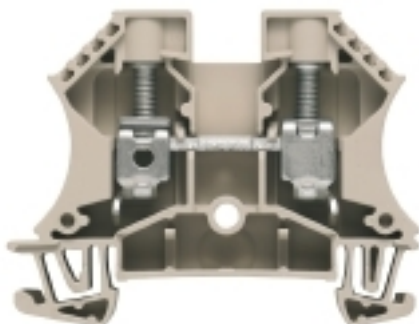
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



The versatile and extensive range of products - from 0.05 mm<sup>2</sup> to 300 mm<sup>2</sup> - means that you have diverse options for your applications at your disposal.

Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

**General ordering data**

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Type       | WDU 10 RT                                                                                                    |
| Order No.  | <a href="#">1020340000</a>                                                                                   |
| Version    | W-Series, Feed-through terminal, Rated cross-section: 10 mm <sup>2</sup> , Screw connection, Direct mounting |
| GTIN (EAN) | 4032248415236                                                                                                |
| Qty.       | 50 pc(s).                                                                                                    |

**W-Series**  
**WDU 10 RT**

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

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

|                          |         |        |         |
|--------------------------|---------|--------|---------|
| Width                    | 9.9 mm  | Height | 60 mm   |
| Height of lowest version | 47 mm   | Depth  | 46.5 mm |
| Net weight               | 17.98 g |        |         |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Rated data IECEx/ATEX**

|                           |                          |                                |                                                                                                   |
|---------------------------|--------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)    | KEMA98ATEX1683U          | ATEX certificate               | KEMA98ATEX1683U_d.pdf                                                                             |
| ATEX certificate          | KEMA98ATEX1683U_e.pdf    | Max. voltage (ATEX)            | 690 V                                                                                             |
| Current (ATEX)            | 50 A                     | Wire cross section max. (ATEX) | 10 mm <sup>2</sup>                                                                                |
| Voltage, cross-connection |                          | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                           | CrossConnectionGuide.pdf |                                |                                                                                                   |
| Marking EN 60079-7        | Ex e II                  | Marking ATEX Directive 94/9/EC | II 2 G D                                                                                          |

**2 clampable wires (H05V/H07V) same cross-section (rated connection)**

|                                                                                                            |                     |                                                                                                            |                   |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|-------------------|
| Cross-section for connected wire, stranded, two clampable wires, min.                                      | 0.5 mm <sup>2</sup> | Cross-section for connected wire, stranded, two clampable wires, max.                                      | 6 mm <sup>2</sup> |
| 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.                                             | 6 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. | 6 mm <sup>2</sup> |

**Additional technical data**

|                             |         |                     |                                                                             |
|-----------------------------|---------|---------------------|-----------------------------------------------------------------------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting                                                             |
| Number of similar terminals | 1       | Open sides          | right                                                                       |
| Type of mounting            |         | Version             | Screw connection, for screwable cross-connection, One end without connector |
|                             | Snap-on |                     |                                                                             |

**CSA ratings data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Voltage size C (CSA)          | 600 V |
| Current size C (CSA)          | 65 A           | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 18 AWG         |                               |       |

**W-Series**  
**WDU 10 RT**

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

**Technical data**
**Clampable wires (rated connection)**

|                                                                                                                               |                     |                                                                                                                                       |                      |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                            | Screw connection    | Stripping length                                                                                                                      | 12 mm                |
| Blade size                                                                                                                    | 1.0 x 5.5 mm        | Connection direction                                                                                                                  | on side              |
| Number of connections                                                                                                         | 2                   | Clamping range, rated connection, min.                                                                                                | 1.31 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                        | 16 mm <sup>2</sup>  | Clamping screw                                                                                                                        | M 4                  |
| Tightening torque, min.                                                                                                       | 1.2 Nm              | Tightening torque, max.                                                                                                               | 1.8 Nm               |
| Torque level with DMS electric screwdriver                                                                                    | 4                   | Gauge to IEC 60947-1                                                                                                                  | B6                   |
| Wire connection cross section, solid core, min. rated connection                                                              | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                                                                  | 16 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded, min.                                                                          | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 1.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 16 mm <sup>2</sup>  | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 1.5 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 16 mm <sup>2</sup>  | Twin wire-end ferrules, min.                                                                                                          | 1.5 mm <sup>2</sup>  |
| Twin wire-end ferrules, max.                                                                                                  | 6 mm <sup>2</sup>   | Wire connection cross section AWG, min.                                                                                               | AWG 16               |
| Wire connection cross section AWG, max.                                                                                       | AWG 6               |                                                                                                                                       |                      |

**Rated data**

|                                 |                    |               |               |
|---------------------------------|--------------------|---------------|---------------|
| Rated cross-section             | 10 mm <sup>2</sup> | Rated voltage | 1,000 V       |
| Rated impulse withstand voltage | 8 kV               | Rated current | 57 A          |
| Current at maximum wires        | 76 A               | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                  |               |               |

**UL ratings data**

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 600 V |
| Current size C (UR)                     | 65 A   | Conductor size Factory wiring max. (UR) | 6 AWG |
| Conductor size Factory wiring min. (UR) | 18 AWG | Conductor size Field wiring max. (UR)   | 6 AWG |

**Material data**

|                           |       |        |     |
|---------------------------|-------|--------|-----|
| Material                  | Wemid | Colour | Red |
| UL 94 flammability rating | V-0   |        |     |

**System specifications**

|                                   |          |                                  |                  |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family                    | W-Series | Type of connection               | Screw connection |
| Connection direction              | on side  | Number of levels                 | 1                |
| Number of connections             | 2        | No. of clamping points per level | 2                |
| Levels cross-connected internally | No       | Mounting rail                    | TS 35            |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | UNSPSC     | 30-21-18-01 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |

**W-Series  
WDU 10 RT**

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

**Technical data****Product information**

|                                 |                                                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | 1000 VDC rated voltage tested. For alternative colours, see section on W-series accessories – specific functions.      |
| Descriptive text technical data | Note max. current of terminal (76 A) when using WQV! AWG 6/7 and H07V-R16 tightened with 2.4 Nm.                       |
| Descriptive text accessories    | Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000. |

**Approvals**

Approvals



ROHS

Conform

**Data sheet****W-Series  
WDU 10 RT**

**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)

**Drawings**