

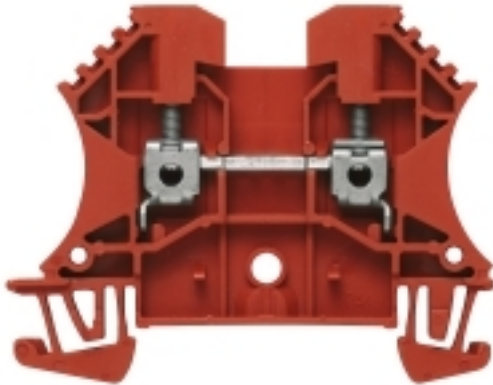
**WDU 2.5 RT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

|            |   |
|------------|---|
| Version    | Feed-through terminal, Screw connection, 2.5 mm <sup>2</sup> , 800 V, 24 A, red |
| Order No.  | <a href="#">1020040000</a>  |
| Type       | WDU 2.5 RT  |
| GTIN (EAN) | 4008 190143015  |
| Qty.       | 100 pc(s).  |

Creation date 14 December 2021 04:44:31 CET

Catalogue status 30.11.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|        |         |                 |            |
|--------|---------|-----------------|------------|
| Depth  | 46.5 mm | Depth (inches)  | 1.831 inch |
| Height | 60 mm   | Height (inches) | 2.362 inch |
| Width  | 5.1 mm  | Width (inches)  | 0.201 inch |
| Weight | 8.62 g  | Net weight      | 7.47 g     |

## Temperatures

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

## Material data

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

## Rating data IECEx/ATEX

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U  | Certificate No. (IECEX)         | IECEXULD14.0005U    |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 24 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 24 A  | Wire cross section max. (IECEX) | 2.5 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 2014/34/EU label            | II 2 G D  |                                 | Ex eb II C Gb       |

## System specifications

|                                     |  |                               |     |
|-------------------------------------|--|-------------------------------|-----|
| Version                             | Screw connection, for plug-in cross-connector, 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)

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.   | 1.5 mm <sup>2</sup> | Cross-section for connected wire, solid, two 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. | 1.5 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, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.   | 1.5 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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## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size C (CSA)          | 20 A   |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

## Conductors for clamping (rated connection)

|  |                              |  |                   |                       |        |
|--|------------------------------|--|-------------------|-----------------------|--------|
| Blade size                               | 0.6 x 3.5 mm                 |  |                   |                       |        |
| Clampable conductor                      | Connection specification     | Cross-section for conductor connection | Type              | solid, H05(07) V-U    |        |
|  |                              |  | min.              | 0.5 mm <sup>2</sup>   |        |
|  |                              |  | max.              | 4 mm <sup>2</sup>     |        |
|  |                              |  | nominal           | 2.5 mm <sup>2</sup>   |        |
|  |                              | wire end ferrule                       | Stripping length  | min.                  | 10 mm  |
|  |                              |  |                   | max.                  | 10 mm  |
|  |                              |  |                   | nominal               | 10 mm  |
|  |                              |  | Tightening torque | min.                  | 0.4 Nm |
|  |                              |  |                   | max.                  | 0.8 Nm |
|  | Recommended wire-end ferrule |  |                   |                       |        |
|  | Connection specification     | Cross-section for conductor connection | Type              | stranded, H07V-R      |        |
|  |                              |  | min.              | 1.5 mm <sup>2</sup>   |        |
|  |                              |  | max.              | 4 mm <sup>2</sup>     |        |
|  |                              |  | nominal           | 2.5 mm <sup>2</sup>   |        |
|  |                              | wire end ferrule                       | Stripping length  | min.                  | 10 mm  |
|  |                              |  |                   | max.                  | 10 mm  |
|  |                              |  |                   | nominal               | 10 mm  |
|  |                              |  | Tightening torque | min.                  | 0.4 Nm |
|  |                              |  |                   | max.                  | 0.8 Nm |
|  | Recommended wire-end ferrule |  |                   |                       |        |
|  | Connection specification     | Cross-section for conductor connection | Type              | flexible, H05(07) V-K |        |
|  |                              |  | min.              | 0.5 mm <sup>2</sup>   |        |
|  |                              |  | max.              | 2.5 mm <sup>2</sup>   |        |
|  |                              |  | nominal           | 2.5 mm <sup>2</sup>   |        |
| wire end ferrule                         |                              | Stripping length                       | min.              | 10 mm                 |        |
|  |                              |  | max.              | 10 mm                 |        |
|  |                              |  | nominal           | 10 mm                 |        |
|  |                              | Tightening torque                      | min.              | 0.4 Nm                |        |
|  |                              |  | max.              | 0.8 Nm                |        |
| Recommended wire-end ferrule             |                              |  |                   |                       |        |
| Clamping range, max.                     | 4 mm <sup>2</sup>            |  |                   |                       |        |
| Clamping range, min.                     | 0.05 mm <sup>2</sup>         |  |                   |                       |        |
| Clamping screw                           | M 2.5                        |  |                   |                       |        |
| Connection cross-section, stranded, max. | 4 mm <sup>2</sup>            |  |                   |                       |        |
| Connection cross-section, stranded, min. | 1.5 mm <sup>2</sup>          |  |                   |                       |        |
| Connection direction                     | on side                      |  |                   |                       |        |
| Gauge to IEC 60947-1                     | A3                           |  |                   |                       |        |
| Number of connections                    | 2                            |  |                   |                       |        |
| Stripping length                         | 10 mm                        |  |                   |                       |        |
| Tightening torque, max.                  | 0.8 Nm                       |  |                   |                       |        |
| Tightening torque, min.                  | 0.4 Nm                       |  |                   |                       |        |

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|   |                     |
|---|---------------------|
| Torque level with DMS electric screwdriver  | 1                   |
| Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup> |
| Type of connection  | Screw connection    |
| Wire connection cross section AWG, max.   | AWG 12              |
| Wire connection cross section AWG, min.   | AWG 30              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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, max. | 2.5 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.   | 4 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |

## General

|   |        |   |               |
|---|--------|---|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30        |

## Rating data

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 32 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   |  |         |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 |             |             |

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## Technical data

### Approvals

Approvals



ROHS Conform

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEx Certificate</a><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">NEMKO certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">Lloyds Register Certificate</a><br><a href="#">MARITREG Certificate</a><br><a href="#">POLSKIREJ certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">CE Declaration of Conformity all terminals</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>  |
| User Documentation                          | <a href="#">NTI WDU/WPE 2.5.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

**Data sheet**

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**Drawings**

