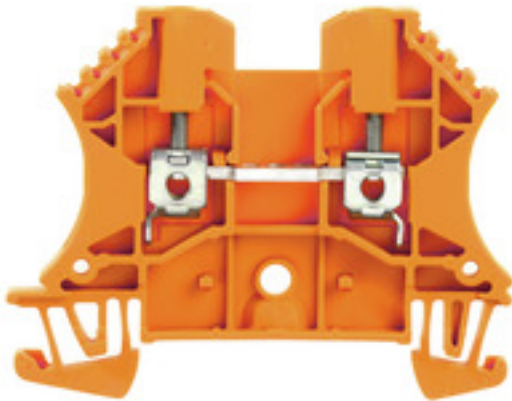


W-Series
WDU 2.5 OR

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


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 2.5 OR |
| Order No. | 1020060000 |
| Version | Feed-through terminal, Screw connection, 2.5 mm ² , 800 V, 24 A, Orange |
| GTIN (EAN) | 4008190012809 |
| Qty. | 100 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------|---------|-----------------|------------|
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Height | 60 mm | Height (inches) | 2.362 inch |
| Depth | 46.5 mm | Depth (inches) | 1.831 inch |
| Weight | 8.62 g | Net weight | 7.49 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

| | | | |
|---------------------------|-------|--------|--------|
| Material | Wemid | Colour | Orange |
| UL 94 flammability rating | V-2 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1338U | Certificate No. (IECEX) | IECEXULD14.0005U |
| Max. voltage (ATEX) | 690 V | Current (ATEX) | 24 A |
| Wire cross section max. (ATEX) | 2.5 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 24 A | Wire cross section max. (IECEX) | 2.5 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex e II |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|--|--|---|--------|
| Version | Screw connection, for plug-in cross-connector, for screwable cross-connection, One end without connector | Tightening torque (clamping screw for aluminium conductors) | 0.4 Nm |
| Tightening torque (clamping screw for copper conductors) | 0.4...0.8 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes | 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) | 20 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

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

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 2.5 mm²

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Clamping range, min. | 0.05 mm ² | Clamping screw | M 2.5 |
| Connection direction | on side | Number of connections | 2 |
| Stripping length | 10 mm | Torque level with DMS electric screwdriver | 1 |
| Twin wire-end ferrules, max. | 1.5 mm ² | Twin wire-end ferrules, min. | 0.5 mm ² |
| 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 ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded, min. | 0.5 mm ² | Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

Rating data

| | | | |
|---------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated current | 24 A | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 28 AWG | Current size B (UR) | 25 A |
| Current size C (UR) | 25 A | Voltage size B (UR) | 600 V |
| Voltage size C (UR) | 600 V | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | ETIM 4.0 | 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 | | |

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CFAT_WDU 2.5.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_159_ISSUE01.pdf ACF-ATEX_4786180920 |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | NTI_IECEX_WDU-WPE 2.5.pdf |

Safety note

Safety notice [Safety Information](#)

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Drawings

