

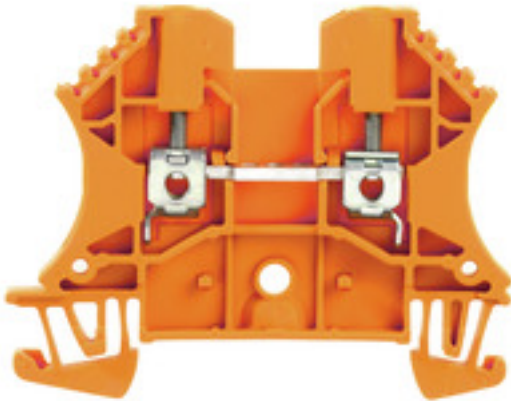
WDU 2.5 OR**Weidmüller Interface GmbH & Co. KG**

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 ² , 800 V, 24 A, orange |
| Order No. | 1020060000 |
| Type | WDU 2.5 OR |
| GTIN (EAN) | 4008 190012809 |
| Qty. | 100 pc(s). |

Creation date 14 December 2021 04:46:13 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 | 7.49 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 | orange |
| UL 94 flammability rating | V-2 | | |

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 ² | Max. voltage (IECEX) | 550 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 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 |

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)

| Clampable conductor | Connection specification | | Screw connection | |
|--|--|------------------|-----------------------|--------------------|
| | Cross-section for conductor connection | | Type | solid, H05(07) V-U |
| | | min. | 0.5 mm ² | |
| | | max. | 4 mm ² | |
| | | nominal | 2.5 mm ² | |
| 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 | | Screw connection | | |
| Cross-section for conductor connection | | Type | stranded, H07V-R | |
| | | min. | 1.5 mm ² | |
| | | max. | 4 mm ² | |
| | | nominal | 2.5 mm ² | |
| 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 | | Screw connection | | |
| Cross-section for conductor connection | | Type | flexible, H05(07) V-K | |
| | | min. | 0.5 mm ² | |
| | | max. | 2.5 mm ² | |
| | | nominal | 2.5 mm ² | |
| 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 ² | | | |
| 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 | | | |

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| | |
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| Wire connection cross section AWG, min. | AWG 30 |
| Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 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, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | | | |
|---|--------|---|--------|
| Rail | TS 35 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 30 | | |

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 |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | | |

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 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 |
| UL File Number Search | E60693 |

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 EAC EX Certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | NTI WDU/WPE 2.5.pdf StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

Data sheet

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Drawings

