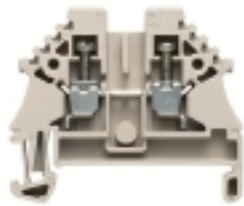


**W-Series
WDU 2.5N ZQV**

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 2.5N ZQV |
| Order No. | 1040800000 |
| Version | Feed-through terminal, Screw connection, 2.5 mm ² , 500 V, 24 A, dark beige |
| GTIN (EAN) | 4008 190964276 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|--------|-----------------|------------|
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Height | 44 mm | Height (inches) | 1.732 inch |
| Depth | 37 mm | Depth (inches) | 1.457 inch |
| Weight | 5.7 g | Net weight | 5.27 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature, max. | 55 °C | Storage temperature, min. | -25 °C |
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 130 °C | | |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, for plug-in cross-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 ² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm ² |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-391 | Current size C (CSA) | 25 A |
| Voltage size C (CSA) | 300 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

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

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.05 mm ² | Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 | Stripping length | 10 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.4 Nm |
| 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. | 0.25 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 | 500 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 |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| eClass 9.0 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC | 30-21-18-11 |

Approvals

Approvals



ROHS

Conform

Data sheet**W-Series
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Technical data**Downloads**

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EAC certificate Declaration of Conformity Declaration of Conformity |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | StorageConditionsTerminalBlocks |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

Data sheet

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Drawings

