

**W-Series
WDK 2.5N**

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 WDK two-tier modular terminals can feed two potentials in one terminal. The type of cross-connection for potential distribution, which is either a screw (WQV) or plug-in version (ZQV), represents another distinguishing feature.

General ordering data

| | |
|------------|--|
| Type | WDK 2.5N |
| Order No. | 1041600000 |
| Version | W-Series, Double-tier terminal, Screw connection, Direct mounting, Beige |
| GTIN (EAN) | 4032248138807 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|----------|--------------------------|----------|
| Length | 60.7 mm | Width | 5.1 mm |
| Height | 54.95 mm | Height of lowest version | 62.45 mm |
| Net weight | 11.057 g | | |

Temperatures

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

Rated data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------|--------------------------|
| Certificate No. (ATEX) | KEMA00ATEX2061U | ATEX certificate | KEMA00ATEX2061U_d.pdf |
| ATEX certificate | KEMA00ATEX2061U_e.pdf | IEC Ex certificate | IECEXULD05.0008U_e.pdf |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 21 A |
| Wire cross section max. (ATEX) | 2.5 mm ² | Voltage, cross-connection | CrossConnectionGuide.pdf |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| Marking ATEX Directive 94/9/EC | II 2 G D | | Ex e II |

Additional technical data

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

CSA ratings data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1057876 | Voltage size C (CSA) | 300 V |
| Voltage size D (CSA) | 600 V | Current size C (CSA) | 20 A |
| Current size D (CSA) | 5 A | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|---|---------------------|

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

| | | | |
|---|---------------------|---|----------------------|
| Type of connection | Screw connection | Stripping length | 8 mm |
| Blade size | 0.6 x 3.5 mm | Connection direction | on side |
| Number of connections | 4 | Clamping range, rated connection, min. | 0.05 mm ² |
| Clamping range, rated connection, max. | 4 mm ² | Clamping screw | M 2.5 |
| Tightening torque, min. | 0.4 Nm | Tightening torque, max. | 0.6 Nm |
| Torque level with DMS electric screwdriver | 1 | Gauge to IEC 60947-1 | A3 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 4 mm ² |
| Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² | Wire connection cross section, stranded, rated connection, max. | 4 mm ² |
| 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, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm ² |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm ² |
| Wire connection cross section AWG, min. | AWG 30 | Wire connection cross section AWG, max. | AWG 12 |

Rated data

| | | | |
|---------------|---------------|---------------------------------|------|
| Rated voltage | 800 V | Rated impulse withstand voltage | 8 kV |
| Rated current | 24 A | Current at maximum wires | 28 A |
| Standards | IEC 60947-7-1 | Pollution severity | 3 |

UL ratings data

| | | | |
|---|-----------------|---|--------|
| Certificate No. (UR) | E60693VOL1SEC38 | Voltage size C (UR) | 600 V |
| Current size C (UR) | 20 A | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |

Material data

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

System specifications

| | | | |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family | W-Series | Type of connection | Screw connection |
| Connection direction | on side | Number of levels | 2 |
| Number of connections | 4 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | End cover plate required | Yes |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC000897 | ETIM 3.0 | EC000897 |
| UNSPSC | 30-21-18-11 | eClass 4.1 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 | | |

Data sheet...**W-Series
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Technical data**Product information**

Descriptive text technical data

Rated voltage is reduced to 400 V when using the ZQV 2.5N cross-connector.

Approvals

Approvals



ROHS

Conform