

**W-Series  
WDK 2.5 ZQV OR****Weidmüller Interface GmbH & Co. KG**

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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 2.5 ZQV OR                                                                                                         |
| Order No.  | <a href="#">1067990000</a>                                                                                             |
| Version    | W-Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm², Screw connection, Direct mounting |
| GTIN (EAN) | 4032248822003                                                                                                          |
| Qty.       | 100 pc(s).                                                                                                             |

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## Technische Daten

### Dimensions and weights

|            |         |                          |         |
|------------|---------|--------------------------|---------|
| Height     | 62.5 mm | Height of lowest version | 63.5 mm |
| Net weight | 12.6 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)         | KEMA98ATEX1687U          | ATEX certificate               | KEMA98ATEX1687U_d.pdf                                                                             |
| ATEX certificate               | KEMA98ATEX1687U_e.pdf    | Max. voltage (ATEX)            | 275 V                                                                                             |
| Current (ATEX)                 | 21 A                     | Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup>                                                                               |
| Voltage, cross-connection      |                          | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                | CrossConnectionGuide.pdf |                                |                                                                                                   |
| Marking ATEX Directive 94/9/EC | II 2 G D                 |                                |                                                                                                   |

### Additional technical data

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

### CSA ratings data

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

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## Technische Daten

### Clampable wires (rated connection)

|                                                                                                                                       |                     |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Screw connection    | Stripping length                                                                                                              | 10 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 <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 4 mm <sup>2</sup>   | 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 <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 4 mm <sup>2</sup>    |
| Wire connection cross section, stranded, rated connection, min.                                                                       | 1.5 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, max.                                                               | 4 mm <sup>2</sup>    |
| 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, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 2.5 mm <sup>2</sup>  |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, min.                                                                                               | AWG 30              | Wire connection cross section AWG, max.                                                                                       | AWG 12               |

### Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 35.5 mm |
|--------------|---------|

### Rated data

|                                 |                     |               |               |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage | 400 V         |
| Rated impulse withstand voltage | 6 kV                | Rated current | 24 A          |
| Current at maximum wires        | 32 A                | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                   |               |               |

### UL ratings data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 300 V  |
| Current size C (UR)                     | 20 A   | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |

### Material data

|                           |       |        |        |
|---------------------------|-------|--------|--------|
| Material                  | Wemid | Colour | Orange |
| 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 3.0   | EC000897    | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

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### Approvals

Approvals



ROHS

Conform