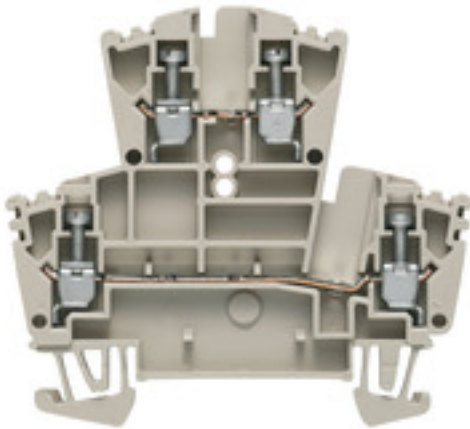


**W-Series**  
**WDK 2.5**

**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       | WDK 2.5  |
| Order No.  | <a href="#">1021500000</a>   |
| Version    | Feed-through terminal, Double-tier terminal, Screw connection, 2.5 mm <sup>2</sup> , 400 V, 24 A, Dark Beige |
| GTIN (EAN) | 4008190169527  |
| Qty.       | 100 pc(s).   |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height                   | 69.5 mm | Height (inches) | 2.736 inch |
| Depth                    | 62.5 mm | Depth (inches)  | 2.461 inch |
| Depth including DIN rail | 63.5 mm | Weight          | 14 g       |
| Net weight               | 12.03 g |                 |            |

**Temperatures**

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

**Material data**

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

**Rating data IECEx/ATEX**

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX)         | KEMA98ATEX1687U   | Certificate No. (IECEX)         | IECEXULD05.0008U    |
| Max. voltage (ATEX)            | 275 V   | Current (ATEX)                  | 21 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup>   | Max. voltage (IECEX)            | 275 V               |
| Current (IECEX)                | 20 A  | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| 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 screwable cross-connection, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.4...0.6 Nm |
| End cover plate required      | Yes   | Number of potentials                                     | 2            |
| Number of levels              | 2   | 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  |  |              |

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.   | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> |

**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

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**Technical data****CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-135 | Current size C (CSA)          | 10 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

**Conductors for clamping (rated connection)**

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm         | Clamping range, rated connection, max.  | 4 mm <sup>2</sup>   |
| Clamping range, rated connection, min.  | 0.05 mm <sup>2</sup> | Clamping screw  | M 2.5               |
| Connection direction  |                      | 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> |
|   | on side              | Number of connections   | 4                   |
| Gauge to IEC 60947-1  | A3                   | Tightening torque, max.   | 0.6 Nm              |
| Stripping length  | 10 mm                | Torque level with DMS electric screwdriver  | 1                   |
| Tightening torque, min.   | 0.4 Nm               | Wire connection cross section AWG, max.   | AWG 12              |
| Type of connection  | Screw connection     | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                             | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.   | AWG 30               | Wire connection cross section, finely stranded, max.  | 4 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, solid core, min. 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, 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>  |   |                     |

**Dimensions**

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

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 32 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 2.66 mΩ |
| Rated impulse withstand voltage | 6 kV                | Pollution severity                           | 3       |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size B (UR)                     | 20 A   |
| Current size C (UR)                     | 20 A   | Voltage size B (UR)                     | 300 V  |
| Voltage size C (UR)                     | 300 V  |   |        |

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## Technical data

### 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 |            |             |

### Product information

|                                 |  |
|---------------------------------|--|
| Descriptive text ordering data  | For colour versions, see section on W-series Accessories - specific functions.   |
| Descriptive text technical data | 2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500). |
| Descriptive text accessories    | Cross-connections, test and socket plug, see section "W series accessories".<br>Ensure 2.5 mm <sup>2</sup> max. when using the WQB.          |

### Approvals

Approvals



ROHS Conform

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_WDK 2.5.pdf</a><br><a href="#">DE_PT1001_20160414_105_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>  |
| Engineering Data                            | <a href="#">EPLAN_WSCAD_Zuken E3.S</a>   |
| User Documentation                          | <a href="#">Cross Connection Guide</a>   |

### Safety note

Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**

