

**W-Series**  
**WDK 2.5DU-PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

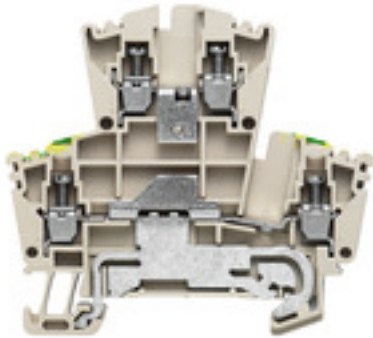
D-32758 Detmold

Germany

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**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 2.5DU-PE                                                                                                 |
| Order No.  | <a href="#">1036400000</a>                                                                                   |
| Version    | Feed-through terminal, Double-tier terminal, Screw connection, 2.5 mm <sup>2</sup> , 400 V, 24 A, Dark Beige |
| GTIN (EAN) | 4008190297374                                                                                                |
| 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          | 18.1 g     |
| Net weight               | 17.34 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                                                                                   | Max. voltage (ATEX)            | 275 V               |
| Current (ATEX)              | 21 A                                                                                              | Wire cross section max. (ATEX) | 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 2014/34/EU label         | II 2 G D                                                                                          |                                | Ex eb II C Gb       |

**System specifications**

|                               |                                                                                                 |                                                          |              |
|-------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------|
| Version                       | Screw connection, With PE 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                 | Yes                                                                                             | Mounting rail                                            | TS 35        |
| N-function                    | No                                                                                              | PE function                                              | Yes          |
| 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)         | 200039-1057876 | Current size B (CSA)          | 20 A   |
| Current size D (CSA)          | 20 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 22 AWG         |                               |        |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Clamping screw                                                                          | M 2.5               |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 4                    | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                              | 1                    | 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 <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**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 (-7-2) | 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. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 22 AWG | Current size C (cURus)                     | 20 A   |
| Voltage size C (cURus)                     | 300 V  |                                            |        |

**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 |            |             |

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**Technical data**
**Product information**

|                                 |                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 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). |
| Instructions for 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 2.5DU-PE.pdf</a><br><a href="#">DE_PT1001_20160418_708_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                    |
| Engineering Data                            | <a href="#">STEP</a>                                                                        |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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## Drawings

