

**WDK 2.5 LD/RT 1D 2R 230****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

|            |  |
|------------|--|
| Version    | W-Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">8013140000</a>   |
| Type       | WDK 2.5 LD/RT 1D 2R 230  |
| GTIN (EAN) | 4008190024628  |
| Qty.       | 25 pc(s).  |

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 62.5 mm    | Depth (inches)  | 2.461 inch |
| Height         | 69 mm      | Height (inches) | 2.717 inch |
| Net weight     | 11.71 g    | Width           | 5.1 mm     |
| Width (inches) | 0.201 inch |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | 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   |        |            |

**System specifications**

|                                     |                            |                               |     |
|-------------------------------------|----------------------------|-------------------------------|-----|
| Version                             | Screw connection, with LED | End cover plate required      | Yes |
| Number of potentials                | 1                          | Number of levels              | 2   |
| Number of clamping points per level | 2                          | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes                        | 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 with wire-end ferrules DIN 46228/1, 2 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, 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> |

**Additional technical data**

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

**Component**

|                    |                 |          |
|--------------------|-----------------|----------|
| Component diode    | Type diode      | 1N4007   |
|                    | Forward current | 1 A      |
|                    | Reverse voltage | 1,300 V  |
|                    | Forward voltage | 0.7 V    |
| Component LED      | Colour          | green    |
|                    | Voltage, min.   | 6 V      |
|                    | Voltage, max.   | 24 V     |
|                    | Current         | 20 mA    |
| Component resistor | Resistance      | 150 kOhm |
|                    | Power loss      | 0.4 W    |
|                    | Tolerance (%)   | 1 %      |
|                    | Resistance      | 100 kOhm |
|                    | Power loss      | 0.5 W    |
|                    | Tolerance (%)   | 5 %      |

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

| Clampable conductor   | Connection specification               |                              | Screw connection      |                    |
|---|--|------------------------------|-----------------------|--------------------|
|   | Cross-section for conductor connection |                              | Type                  | solid, H05(07) V-U |
|   |  | min.                         | 0.5 mm <sup>2</sup>   |                    |
|   |  | max.                         | 4 mm <sup>2</sup>     |                    |
|   |  | nominal                      | 2.5 mm <sup>2</sup>   |                    |
| wire end ferrule  |  | Stripping length             | min.                  | 10 mm              |
|   |  |                              | max.                  | 10 mm              |
|   |  |                              | nominal               | 10 mm              |
|   |  | Recommended wire-end ferrule |                       |                    |
| Connection specification  |  | Screw connection             |                       |                    |
| Cross-section for conductor connection  |  | Type                         | flexible, H05(07) V-K |                    |
|   |  | min.                         | 0.5 mm <sup>2</sup>   |                    |
|   |  | max.                         | 4 mm <sup>2</sup>     |                    |
|   |  | nominal                      | 2.5 mm <sup>2</sup>   |                    |
| wire end ferrule  |  | Stripping length             | min.                  | 10 mm              |
|   |  |                              | max.                  | 10 mm              |
|   |  |                              | nominal               | 10 mm              |
|   |  | Recommended wire-end ferrule |                       |                    |
| Clamping range, max.  | 2.5 mm <sup>2</sup>                    |                              |                       |                    |
| Clamping range, min.  | 0.13 mm <sup>2</sup>                   |                              |                       |                    |
| Connection direction  | on side                                |                              |                       |                    |
| Number of connections   | 3                                      |                              |                       |                    |
| Stripping length  | 10 mm                                  |                              |                       |                    |
| Type of connection  | Screw connection                       |                              |                       |                    |
| Wire connection cross section AWG, max.   | AWG 12                                 |                              |                       |                    |
| Wire connection cross section AWG, min.   | AWG 26                                 |                              |                       |                    |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>                    |                              |                       |                    |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 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, solid core, max.   | 4 mm <sup>2</sup>                      |                              |                       |                    |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>                    |                              |                       |                    |

**Dimensions**

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

**Display element**

|                                     |       |                                     |       |
|-------------------------------------|-------|-------------------------------------|-------|
| Current                             | 5 mA  | Indicator element                   | red   |
| Operating voltage for display, max. | 230 V | Operating voltage for display, min. | 230 V |
| Type of voltage for indicator       | AC    |                                     |       |

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## Technical data

### General

|   |        |   |        |
|---|--------|---|--------|
| Rail                                    | TS 35  | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 |   |        |

### Rating data

|   |        |  |                     |
|---|--------|--|---------------------|
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Rated cross-section                          | 2.5 mm <sup>2</sup> |
| Rated voltage                               | 230 V  | Volume resistance according to IEC 60947-7-x | 1.33 mΩ             |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000903    | ETIM 7.0    | EC000903    |
| ECLASS 9.0  | 27-14-11-27 | ECLASS 9.1  | 27-14-11-47 |
| ECLASS 10.0 | 27-14-11-27 | ECLASS 11.0 | 27-14-11-27 |

### Important note

|                     |   |
|---------------------|---|
| Product information | The allowed continuous operating temperature must be observed |
|---------------------|---|

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>   |

**Data sheet****WDK 2.5 LD/RT 1D 2R 230**

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**Drawings**