

WDK 2.5 LD 1D 2R 115VAC

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

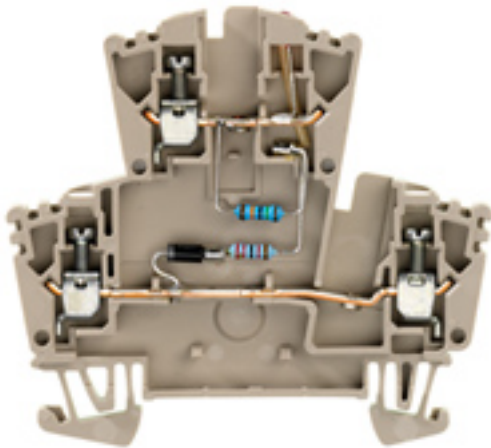
Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Product image



Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

General ordering data

| | |
|------------|--|
| Version | W-Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm ² , Screw connection |
| Order No. | 8006320000 |
| Type | WDK 2.5 LD 1D 2R 115VAC |
| GTIN (EAN) | 4008190103330 |
| Qty. | 25 Stück |

WDK 2.5 LD 1D 2R 115VAC

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technische Daten

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 62.5 mm | Depth (inches) | 2.461 inch |
| Height | 69 mm | Height (inches) | 2.717 inch |
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Net weight | 13.08 g | | |

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

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 | red |
| | Voltage, min. | 6 V |
| | Voltage, max. | 24 V |
| | Current | 20 mA |
| Component resistor | Resistance | 150 kOhm |
| | Power loss | 0.4 W |
| | Tolerance (%) | 1 % |
| | Resistance | 22 kOhm |
| | Power loss | 0.4 W |
| | Tolerance (%) | 1 % |

WDK 2.5 LD 1D 2R 115VAC

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

Technische Daten

info@weidmueller.com

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 ² | |
| | | max. | 4 mm ² | |
| | | nominal | 2.5 mm ² | |
| | 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 ² | | |
| | max. | 4 mm ² | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | min. | 10 mm | |
| | | max. | 10 mm | |
| | | nominal | 10 mm | |
| | Recommended wire-end ferrule | | | |
| Clamping range, max. | 2.5 mm ² | | | |
| Clamping range, min. | 0.13 mm ² | | | |
| 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 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, max. | 4 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | | |

Dimensions

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

Display element

| | | | |
|-------------------------------------|-------|-------------------------------------|-------|
| Current | 5 mA | Indicator element | red |
| Operating voltage for display, max. | 115 V | Operating voltage for display, min. | 115 V |
| Type of voltage for indicator | AC | | |

WDK 2.5 LD 1D 2R 115VAC

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

Technische Daten

info@weidmueller.com

www.weidmueller.com

General

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

Rating data

| | | | |
|--|---------------------|---|--------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 115 V |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Power loss in accordance with IEC 60947-7-x | 0.77 W |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000903 | ETIM 7.0 | EC000903 |
| ETIM 8.0 | 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 | ECLASS 12.0 | 27-14-11-27 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | a3090896-Of16-410d-aabb-617cfb571002 |

Important note

Product information The allowed continuous operating temperature must be observed

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, EPLAN |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

WDK 2.5 LD 1D 2R 115VAC**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

Zeichnungen