

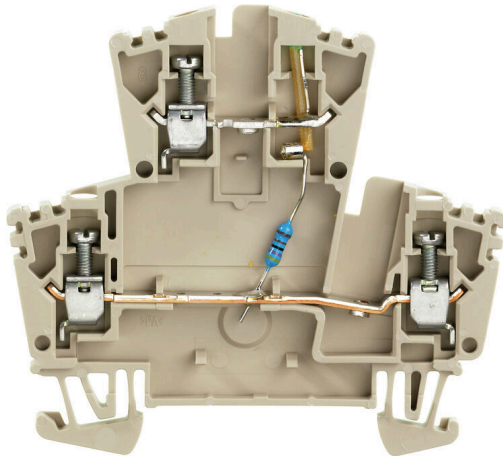
WDK 2.5 LD/GN 1R 24VDC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

| | |
|------------|--|
| Version | Component terminal block, Screw connection, dark beige, 2.5 mm ² , 24 V, 24 V, Number of connections: 3, Number of levels: 2, TS 35 |
| Order No. | 8023610000 |
| Type | WDK 2.5 LD/GN 1R 24VDC |
| GTIN (EAN) | 4008190176990 |
| Qty. | 25 items |

WDK 2.5 LD/GN 1R 24VDC

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 62.5 mm | Depth (inches) | 2.4606 inch |
| Depth including DIN rail | 63 mm | Height | 69 mm |
| Height (inches) | 2.7165 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 11.19 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cl |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Basic 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|-----------------------------|---------|--------------------------|-----------|
| Number of similar terminals | 1 | Explosion-tested version | No |
| Type of mounting | Snap-on | Electronic component | Green LED |

Conductors for clamping (rated connection)

| | |
|---|------------------|
| Gauge to IEC 60947-1 | A3 |
| Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side |
| Tightening torque, max. | 0.6 Nm |
| Tightening torque, min. | 0.4 Nm |
| Stripping length | 10 mm |
| Type of connection 2 | Screw connection |
| Type of connection | Screw connection |

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| | | | | |
|---|--|------------------|-----------------------|-------|
| Number of connections | 3 | | | |
| Clamping range, max. | 4 mm ² | | | |
| Clamping range, min. | 0.13 mm ² | | | |
| Clamping screw | M 2.5 | | | |
| Blade size | 0.6 x 3.5 mm | | | |
| Wire connection cross section AWG, min. | AWG 30 | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | | |
| Connection cross-section, stranded, max. | 4 mm ² | | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | | |
| Connection cross-section, finely stranded, min. | 0.13 mm ² | | | |
| 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 |
| | 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 | |

Dimensions

TS 35 offset 35.5 mm

Fuse terminals

Type of voltage for indicator DC Current 5 mA

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Technical data

General

| | | | |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 24 V |
| Rated DC voltage | 24 V | Nominal current | 10 A |
| Current at maximum wires | 10 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 0.8 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Surge voltage category | III |
| Pollution severity | 3 | | |

Important note

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000903 | ETIM 9.0 | EC000903 |
| ETIM 10.0 | EC000903 | ECLASS 14.0 | 27-25-01-14 |
| ECLASS 15.0 | 27-25-01-14 | | |

