

## KDKS1/EN LD 24 VAC

**Weidmüller Interface GmbH & Co. KG**

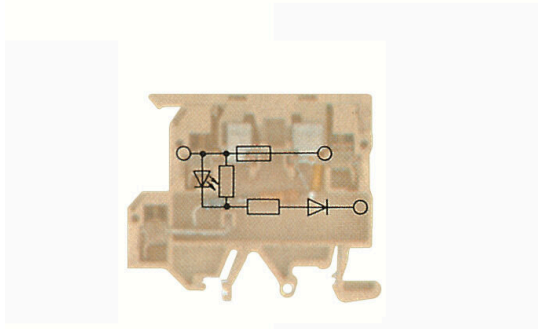
Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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    | Fuse terminal, Screw connection, beige / yellow, 4 mm <sup>2</sup> , 6.3 A, 24 V, Number of connections: 3, Number of levels: 2, TS 35, TS 32 |
| Order No.  | <a href="#">8148930000</a>  |
| Type       | KDKS1/EN LD 24 VAC  |
| GTIN (EAN) | 4008 190002572  |
| Qty.       | 25 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 54 mm    | Depth (inches)  | 2.126 inch  |
| Height     | 62.75 mm | Height (inches) | 2.4705 inch |
| Width      | 8 mm     | Width (inches)  | 0.315 inch  |
| Net weight | 16.02 g  |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...55 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 100 °C         |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

## Material data

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Basic material            | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2   |        |                |

## System specifications

|                                     |   |                               |     |
|-------------------------------------|---|-------------------------------|-----|
| Version                             | Screw connection, Fuse cartridge, with LED. One end without connector | 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   | No  | PE connection                 | No  |
| Mounting rail                       | TS 35, TS 32  | N-function                    | No  |
| PE function                         | No  | PEN function                  | No  |

## Additional technical data

|                     |                 |                             |         |
|---------------------|-----------------|-----------------------------|---------|
| Open sides          | right           | Number of similar terminals | 1       |
| Installation advice | Direct mounting | Type of mounting            | Snap-on |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## 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.                 | 0.8 Nm |

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|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Tightening torque, min.   | 0.5 Nm              | Stripping length  | 9 mm                |
| Type of connection 2  | Screw connection    | Type of connection  | Screw connection    |
| Number of connections   | 3                   | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Blade size  | 0.6 x 3.5 mm        | Wire connection cross section AWG, min.   | AWG 20              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 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 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, finely stranded, max.                                    | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>   | Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup> |
| Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> | Twin wire-end ferrules, 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> |
| Connection cross-section, finely stranded, min.   | 0.5 mm <sup>2</sup> |   |                     |

## Dimensions

|              |       |              |       |
|--------------|-------|--------------|-------|
| TS 32 offset | 31 mm | TS 35 offset | 31 mm |
|--------------|-------|--------------|-------|

## Fuse terminals

|                               |              |                                |          |
|-------------------------------|--------------|--------------------------------|----------|
| Cartridge fuse                | G-Si. 5 x 20 | Fuse holder (cartridge holder) | Pivoting |
| Type of voltage for indicator | AC           | Current                        | 2 mA     |
| Display                       | LED          | Operating voltage, max.        | 24 V     |

## General

|   |              |                     |                 |
|---|--------------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 12       | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 20       | Standards           | IEC 60947-7-1   |
| Mounting rail                           | TS 35, TS 32 |                     |                 |

## Rating data

|  |                   |   |               |
|--|-------------------|---|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                               | 24 V          |
| Rated DC voltage                             | 24 V              | Nominal current                             | 6.3 A         |
| Current at maximum wires                     | 6.3 A             | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Power loss in accordance with IEC 60947-7-x | 1.02 W        |
| Pollution severity                           | 3                 |   |               |

## Important note

|                     |  |
|---------------------|--|
| Product information | The voltage depends on the selected fuse element or the selected indicator light |
|---------------------|--|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |