

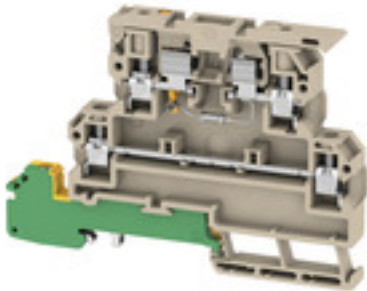
**KDKS 1PE/LLC 10-36V AC/DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

|            |  |
|------------|--|
| Version    | W-Series, Fuse terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1518300000</a>   |
| Type       | KDKS 1PE/LLC 10-36V AC/DC  |
| GTIN (EAN) | 4050118325461  |
| Qty.       | 50 pc(s).  |

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 65 mm   | Depth (inches)  | 2.559 inch |
| Height     | 91 mm   | Height (inches) | 3.583 inch |
| Width      | 8 mm    | Width (inches)  | 0.315 inch |
| Net weight | 28.76 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,<br>Fuse isolator, With PE<br>connection, One end<br>without connector | End cover plate required      | Yes |
| Number of potentials                | 3   | Number of levels              | 3   |
| Number of clamping points per level | 2   | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No  | PE connection                 | Yes |
| Rail                                | TS 35   | N-function                    | No  |
| PE function                         | Yes   | PEN function                  | No  |

### Additional technical data

|                          |         |            |       |
|--------------------------|---------|------------|-------|
| Explosion-tested version | No      | Open sides | right |
| Type of mounting         | Snap-on |            |       |

### CSA rating data

|                               |                  |                               |        |
|-------------------------------|------------------|-------------------------------|--------|
| Certificate No. (CSA)         | E200039-70000261 | Current size B (CSA)          | 25 A   |
| Current size C (CSA)          | 25 A             | Current size D (CSA)          | 10 A   |
| Voltage size B (CSA)          | 300 V            | Voltage size C (CSA)          | 150 V  |
| Voltage size D (CSA)          | 300 V            | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG           |                               |        |

### Conductors for clamping (rated connection)

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

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## Technical data

|   |  |                     |                     |        |
|---|--|---------------------|---------------------|--------|
| 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             | 4 mm <sup>2</sup>   |        |
|   | wire end ferrule                       | Stripping length    | min.                | 9 mm   |
|   |  |                     | max.                | 9 mm   |
|   |  | Tightening torque   | min.                | 0.5 Nm |
|   |  |                     | max.                | 1 Nm   |
|   | Recommended wire-end ferrule           |                     |                     |        |
|   | Connection specification               |                     | Screw connection    |        |
|   | Cross-section for conductor connection | Type                | stranded, H07V-R    |        |
| min.  |  | 1.5 mm <sup>2</sup> |                     |        |
| max.  |  | 4 mm <sup>2</sup>   |                     |        |
| nominal   |  | 4 mm <sup>2</sup>   |                     |        |
| wire end ferrule  | Stripping length                       | min.                | 9 mm                |        |
|   |  | max.                | 9 mm                |        |
|   | Tightening torque                      | min.                | 0.5 Nm              |        |
|   |  | max.                | 1 Nm                |        |
| Recommended wire-end ferrule  |  |                     |                     |        |
| 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                                | 4 mm <sup>2</sup>   |                     |        |
| wire end ferrule  | Stripping length                       | min.                | 9 mm                |        |
|   |  | max.                | 9 mm                |        |
|   | Tightening torque                      | min.                | 0.5 Nm              |        |
|   |  | max.                | 1 Nm                |        |
| Recommended wire-end ferrule  |  |                     |                     |        |
| Clamping range, max.  | 4 mm <sup>2</sup>                      |                     |                     |        |
| Clamping range, min.  | 0.33 mm <sup>2</sup>                   |                     |                     |        |
| Clamping screw  | M 3                                    |                     |                     |        |
| 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   | 3                                      |                     |                     |        |
| Stripping length  | 9 mm                                   |                     |                     |        |
| Tightening torque, max.   | 1 Nm                                   |                     |                     |        |
| Tightening torque, min.   | 0.5 Nm                                 |                     |                     |        |
| Torque level with DMS electric screwdriver  | 2                                      |                     |                     |        |
| Type of connection  | Screw connection                       |                     |                     |        |
| Wire connection cross section AWG, max.   | AWG 12                                 |                     |                     |        |
| Wire connection cross section AWG, min.   | AWG 22                                 |                     |                     |        |
| 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>                    |                     |                     |        |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>                      |                     |                     |        |

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|   |                     |
|---|---------------------|
| 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> |
|---|---------------------|

#### Fuse terminals

|  |                       |  |                       |
|--|-----------------------|--|-----------------------|
| Cartridge fuse   | G-Si. 5 x 20          | Display  | Red LED               |
| Leakage current, max.  | 0.286 mA              | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 29°C | Power loss for short-circuit protection only for a composite arrangement         | 2.5 W at 6.3 A @ 41°C |
| Power loss for short-circuit protection only for an individual arrangement         | 4.0 W at 6.3 A @ 44°C |  |                       |

#### General

|   |        |   |   |
|---|--------|---|---|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 22                                      |

#### PE rating data

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

#### Rating data

|                                     |   |  |        |
|-------------------------------------|---|--|--------|
| Rated cross-section                 | 4 mm <sup>2</sup>                           | Rated voltage                                | 36 V   |
| Rated voltage to adjoining terminal | 500 V                                       | Rated current                                | 6.3 A  |
| Standards                           | IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3 | Volume resistance according to IEC 60947-7-x | 1 mΩ   |
| Rated impulse withstand voltage     | 6 kV  | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| Pollution severity                  | 3   | Surge voltage category                       | III    |

#### UL rating data

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size B (UR)                     | 20 A   |
| Current size C (UR)                     | 20 A   | Voltage size B (UR)                     | 250 V  |
| Voltage size C (UR)                     | 300 V  |   |        |

#### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ECLASS 9.0  | 27-14-11-16 |
| ECLASS 9.1  | 27-14-11-16 | ECLASS 10.0 | 27-14-11-16 |
| ECLASS 11.0 | 27-14-11-16 | ECLASS 12.0 | 27-14-11-16 |

#### Important note

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

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## Technical data

### Approvals

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UR)  | E60693     |

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">WSCAD</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

**Data sheet**

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**Drawings**

