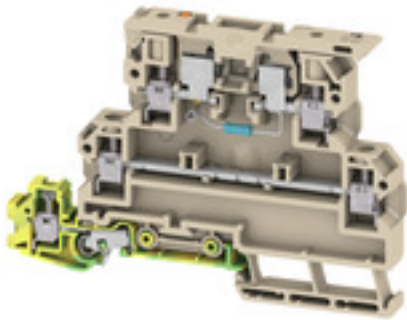


KDKS 1PE/LLC 30-70V AC/DC**Weidmüller Interface GmbH & Co. KG**

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 | Fuse terminal, Screw connection, Fuse isolator, With PE connection, One end without connector, Screw connection, 4 mm ² , 70 V, 6.3 A, G-Si. 5 x 20, dark beige |
| Order No. | 1518330000 |
| Type | KDKS 1PE/LLC 30-70V AC/DC |
| GTIN (EAN) | 4050118325607 |
| Qty. | 50 pc(s). |

KDKS 1PE/LLC 30-70V AC/DC

Weidmüller Interface GmbH & Co. KG

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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 | 29.3 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, Fuse isolator, With PE connection, One end 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) | 200039-70000261 | 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 (additional connection)

Connection type, additional connection Screw connection

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 ² | |
| | | max. | 4 mm ² | |
| | | nominal | 4 mm ² | |
| | 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 ² | |
| | | max. | 4 mm ² | |
| | | nominal | 4 mm ² | |
| | 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 ² | |
| | | max. | 4 mm ² | |
| | | nominal | 4 mm ² | |
| | 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 ² | | |
| Clamping range, min. | 0.33 mm ² | | | |
| Clamping screw | M 3 | | | |
| Connection cross-section, stranded, max. | 4 mm ² | | | |
| Connection cross-section, stranded, min. | 1.5 mm ² | | | |
| 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 screw-driver | 2 | | | |
| Type of connection | Screw connection | | | |
| Type of connection 2 | 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 ² | | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | | |

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 4 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 0.5 mm²

Wire connection cross-section, solid core, max. 4 mm²

Wire connection cross-section, solid core, min. 0.5 mm²

Fuse terminals

| | | | |
|--|-----------------------|--|-----------------------|
| Cartridge fuse | G-Si. 5 x 20 | Display | Red LED |
| Leakage current, max. | 0.192 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 ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|--|-------------------|---------------------------------|---|
| Rated cross-section | 4 mm ² | Rated voltage | 70 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 70 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 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-25-01-13 |

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www.weidmueller.com

Technical data

Environmental Product Compliance

REACH SVHC

/

Important note

Product information

The voltage depends on the selected fuse element or the selected indicator light

Approvals

Approvals



ROHS

Conform

UL File Number Search

UL Website

Certificate No. (UR)

E60693

Downloads

Approval/Certificate/Document of Conformity

[CE Declaration of Conformity](#)
[UKCA declaration of conformity](#)

User Documentation

[StorageConditionsTerminalBlocks](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

KDKS 1PE/LLC 30-70V AC/DC

Weidmüller Interface GmbH & Co. KG

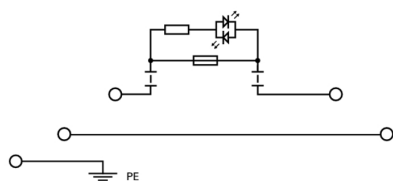
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Drawings



KDKS 1PE/LLC 30-70V AC/DC

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Accessories

5x20

5x20

For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | G 20/2.00A/F | Version |
| Order No. | 0430900000 | Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190123567 | |
| Qty. | 10 pc(s). | |
| Type | G 20/1.60A/F | Version |
| Order No. | 0430800000 | Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190031503 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.63A/F | Version |
| Order No. | 0439000000 | Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190131210 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.25A/F | Version |
| Order No. | 0430500000 | Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190153991 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.10A/F | Version |
| Order No. | 0430300000 | Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190077174 | |
| Qty. | 10 pc(s). | |
| Type | G 20/1.00A/F | Version |
| Order No. | 0430700000 | Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190093877 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.20A/F | Version |
| Order No. | 0430400000 | Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190152383 | |
| Qty. | 10 pc(s). | |
| Type | G 20/6.30A/F | Version |
| Order No. | 0431400000 | Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190086053 | |
| Qty. | 10 pc(s). | |
| Type | G 20/5.00A/F | Version |
| Order No. | 0431300000 | Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190185381 | |
| Qty. | 10 pc(s). | |
| Type | G 20/4.00A/F | Version |
| Order No. | 0431200000 | Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190022983 | |
| Qty. | 10 pc(s). | |

Creation date July 5, 2024 3:19:25 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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Accessories

| | | |
|------------|----------------------------|--|
| Type | G 20/3.15A/F | Version |
| Order No. | 0431100000 | Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190012977 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.50A/F | Version |
| Order No. | 0430600000 | Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190046835 | |
| Qty. | 10 pc(s). | |
| Type | G 20/2.50A/F | Version |
| Order No. | 0431000000 | Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190085513 | |
| Qty. | 10 pc(s). | |

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/8 MC NE WS | Version |
| Order No. | 1856740000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850 | Weidmueller, white |
| Qty. | 800 pc(s). | |

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Accessories

DEK 5/8



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DEK 5/8 MM WS | Version |
| Order No. | 2007130000 | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012 | |
| Qty. | 500 pc(s). | |

SAK-Series



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | AP KDKS1 DB | Version |
| Order No. | 9532470000 | End plate (terminals), 73.5 mm x 1.5 mm, dark beige |
| GTIN (EAN) | 4032248039227 | |
| Qty. | 20 pc(s). | |

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Accessories

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |

QB RA



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | QB 2 WI RA8 IS | Version |
| Order No. | 0461100000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190034818 | Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |
| Type | QB 3 WI RA8 IS | Version |
| Order No. | 0461200000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4008190161699 | Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |
| Type | QB 4 WI RA8 IS | Version |
| Order No. | 0461300000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190025373 | Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey |
| Qty. | 50 pc(s). | |

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Accessories

Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

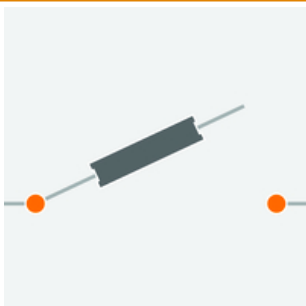
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/8 MC SDR | Version |
| Order No. | 1856750000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400867 | Weidmueller, To customer specification |
| Qty. | 160 pc(s). | |

Contact sleeve



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | VH 25/5/3.4 | Version |
| Order No. | 0553300000 | SAK Series, Contact sleeve |
| GTIN (EAN) | 4008190095604 | |
| Qty. | 100 pc(s). | |

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www.weidmueller.com**Accessories****Z-Series**

Z
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|---------------------------------|
| Type | ZST 1 | Version |
| Order No. | 1269070000 | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091 | |
| Qty. | 25 pc(s). | |