

**SAK Series  
KDKS 1/35****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

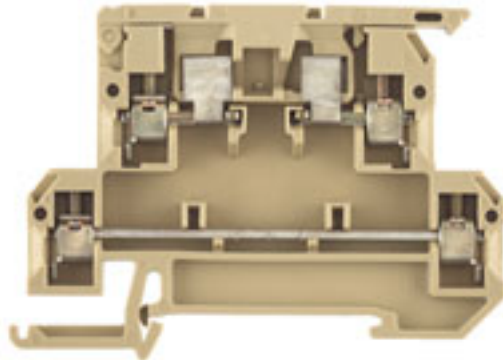
D-32758 Detmold

Germany

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www.weidmueller.com

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Type       | KDKS 1/35                                                                                                    |
| Order No.  | <a href="#">9503310000</a>                                                                                   |
| Version    | SAK Series, Fuse terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Beige, Direct mounting |
| GTIN (EAN) | 4008190182304                                                                                                |
| Qty.       | 50 pc(s).                                                                                                    |

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**Technical data**
**Dimensions and weights**

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Width      | 8 mm     | Width (inches)  | 0.315 inch |
| Height     | 76.5 mm  | Height (inches) | 3.012 inch |
| Depth      | 55.6 mm  | Depth (inches)  | 2.189 inch |
| Net weight | 20.073 g |                 |            |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

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

**System specifications**

|                               |                                                            |                                                          |              |
|-------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------|
| Version                       | Screw connection, Fuse isolator, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.5...0.8 Nm |
| End cover plate required      | Yes                                                        | Number of potentials                                     | 2            |
| Number of levels              | 2                                                          | No. of clamping points per level                         | 2            |
| Number of potentials per tier | 1                                                          | Levels cross-connected internally                        | No           |
| PE connection                 | No                                                         | Mounting rail                                            | TS 35        |
| N-function                    | No                                                         | PE function                                              | No           |
| PEN function                  | No                                                         |                                                          |              |

**Additional technical data**

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | No      | Installation advice | Direct mounting |
| Number of similar terminals | 1       | Open sides          | right           |
| Type of mounting            | Snap-on |                     |                 |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-281 | Current size C (CSA)          | 25 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

**Conductors for clamping (additional connection)**

|                                                                                             |                   |
|---------------------------------------------------------------------------------------------|-------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 4 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|-------------------|

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | 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                                                                   | 4                    | Stripping length                                                                        | 9 mm                |
| Tightening torque, max.                                                                 | 0.8 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, finely stranded, max.                                    | 4 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, 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>  |                                                                                         |                     |

**Display element**

|                                     |       |                               |    |
|-------------------------------------|-------|-------------------------------|----|
| Operating voltage for display, max. | 500 V | Type of voltage for indicator | AC |
|-------------------------------------|-------|-------------------------------|----|

**Fuse terminals**

|                                |              |                         |             |
|--------------------------------|--------------|-------------------------|-------------|
| Cartridge fuse                 | G-Si. 5 x 20 | Display                 | Without LED |
| Fuse holder (cartridge holder) | Pivoting     | Operating voltage, max. | 500 V       |
| Type of voltage for indicator  | AC           |                         |             |

**Rating data**

|                                 |                   |                                              |       |
|---------------------------------|-------------------|----------------------------------------------|-------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage                                | 500 V |
| Rated current                   | 6.3 A             | Current at maximum wires                     | 6.3 A |
| Standards                       | IEC 60947-7-3     | Volume resistance according to IEC 60947-7-x | 1 mΩ  |
| Rated impulse withstand voltage | 6 kV              | Pollution severity                           | 3     |

**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 C (UR)                     | 10 A   |
| Voltage size C (UR)                     | 300 V  |                                         |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000899    | ETIM 4.0   | EC000899    |
| ETIM 5.0   | EC000899    | ETIM 6.0   | EC000899    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-16 |
| eClass 6.2 | 27-14-11-16 | eClass 7.1 | 27-14-11-16 |
| eClass 8.1 | 27-14-11-16 | eClass 9.0 | 27-14-11-16 |
| eClass 9.1 | 27-14-11-16 |            |             |

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## Technical data

### Product information

|                                 |                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------|
| Descriptive text ordering data  | Max. power loss (1.6 W) at the cartridge fuse limits the rated current.               |
| Descriptive text technical data | Note: max. conductor connection = 2.5 mm <sup>2</sup> when using the cross-connector. |

### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                    |
|---------------------------------------------|----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1302_20160418_182_ISSUE01.pdf</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                       |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|