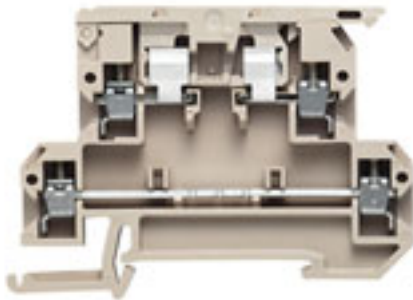


**SAK Series**  
**KDKS 1/35 DB**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Product image**

**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 DB   |
| Order No.  | <a href="#">9532440000</a>   |
| Version    | SAK Series, Fuse terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, Direct mounting |
| GTIN (EAN) | 4032248039203  |
| Qty.       | 50 pc(s).  |

Creation date August 22, 2020 8:14:52 AM CEST

Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 8 mm    | Width (inches)  | 0.315 inch |
| Height                   | 73.5 mm | Height (inches) | 2.894 inch |
| Depth                    | 55.6 mm | Depth (inches)  | 2.189 inch |
| Depth including DIN rail | 54.6 mm | Net weight      | 20.32 g    |

**Temperatures**

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

**Material data**

|          |            |                           |       |
|----------|------------|---------------------------|-------|
| Material | Wemid      | Insulating material       | Wemid |
| Colour   | dark beige | UL 94 flammability rating | V-0   |

**System specifications**

|                                   |  |                                     |     |
|-----------------------------------|--|-------------------------------------|-----|
| Version                           | Screw connection, Fuse isolator, One end without connector | End cover plate required            | Yes |
| Number of levels                  | 2  | Number of clamping points per level | 2   |
| Levels cross-connected internally | No   | PE connection                       | No  |
| Rail                              | TS 35  |                                     |     |

**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 D (CSA)          | 10 A   |
| 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)**

|   |                   |
|---|-------------------|
| 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.  | 0.22 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Connection cross-section, finely stranded, max.   | 4 mm <sup>2</sup>    | 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.  | 1.5 mm <sup>2</sup> |
| Connection direction  | on side              | Gauge to IEC 60947-1  | A3                  |
| Stripping length  | 8 mm                 | Tightening torque, max.   | 0.8 Nm              |
| Tightening torque, min.   | 0.5 Nm               | Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup>  | Type of connection  | Screw connection    |
| 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                 |
| 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 @ 50°C |
| Power loss for short-circuit protection only for a composite arrangement         | 1.6 W at 6.3 A @ 41°C | Type of voltage for indicator  | AC                    |

**Rating data**

|   |                   |  |       |
|---|-------------------|--|-------|
| Rated cross-section                         | 4 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 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  |
| Power loss in accordance with IEC 60947-7-x | 1.02 W            | 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 6.0    | EC000899    | ETIM 7.0   | EC000899    |
| eClass 9.0  | 27-14-11-16 | eClass 9.1 | 27-14-11-16 |
| eClass 10.0 | 27-14-11-16 | UNSPSC     | 30-21-18-11 |

**Data sheet****SAK Series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DE_PT1302_20160418_185_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>  |
| Engineering Data                            | <a href="#">EPLAN_WSCAD_Zuken E3.S</a>   |
| Engineering Data                            | <a href="#">STEP</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |

**Safety note**

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

**Data sheet**

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**Drawings**

