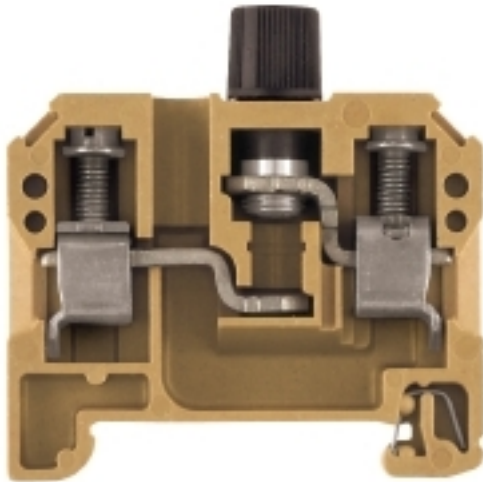


**SAK Series
SAKS 1/35/G25**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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 | SAKS 1/35/G25 |
| Order No. | 0501520000 |
| Version | SAK Series, Fuse terminal, Rated cross-section: 10 mm ² , Screw connection, Medium Yellow, Direct mounting |
| GTIN (EAN) | 4008190047801 |
| Qty. | 20 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 13 mm | Width (inches) | 0.512 inch |
| Height | 54 mm | Height (inches) | 2.126 inch |
| Depth | 53 mm | Depth (inches) | 2.087 inch |
| Net weight | 38.55 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

| | | | |
|---------------------------|----------|--------|---------------|
| Material | KrG | Colour | Medium Yellow |
| UL 94 flammability rating | V-0, 5VA | | |

System specifications

| | | | |
|-------------------------------|---|--|--------------|
| Version | Screw connection, Fuse cartridge, One end without connector | Tightening torque (clamping screw for copper conductors) | 1.2...2.4 Nm |
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | 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) | 12400-198 | Current size C (CSA) | 10 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 10 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. | 10 mm ² |
|---|--------------------|

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

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, rated connection, max. | 16 mm ² |
| Clamping range, rated connection, min. | 0.13 mm ² | Clamping screw | M 4 |
| Connection direction | on side | Gauge to IEC 60947-1 | B6 |
| Number of connections | 2 | Stripping length | 12 mm |
| Tightening torque, max. | 2.4 Nm | Tightening torque, min. | 1.2 Nm |
| Torque level with DMS electric screwdriver | 4 | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 10 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 10 mm ² | Wire connection cross section, solid core max. rated connection | 16 mm ² |
| Wire connection cross section, solid core, min. rated connection | 0.5 mm ² | Wire connection cross section, stranded, rated connection, max. | 10 mm ² |
| Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |

Display element

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

Fuse terminals

| | | | |
|--------------------------------|------------------|-------------------------|-----------|
| Cartridge fuse | G-Si. 5 x 25 | Display | Neon lamp |
| Fuse holder (cartridge holder) | for screw fixing | Operating voltage, max. | 500 V |
| Type of voltage for indicator | AC/DC | | |

Rating data

| | | | |
|--|--------------------|---------------------------------|-------|
| Rated cross-section | 10 mm ² | Rated voltage | 500 V |
| Rated current | 10 A | Current at maximum wires | 10 A |
| Volume resistance according to IEC 60947-7-x | 0.56 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 10 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | Current size C (UR) | 6.3 A |
| Voltage size C (UR) | 600 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 | | |

Data sheet

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Technical data

Product information

| | |
|---------------------------------|--|
| Descriptive text technical data | On connecting the 10 mm ² stranded conductor, the tightening torque is 2 Nm |
| Descriptive text accessories | An M 3 x 6 mm screw, with order no. 0346200000, should be used for the cross-connection. |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | DE_PT1333_20160414_078_ISSUE01.pdf |
| Engineering Data | EPLAN, WSCAD |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|