

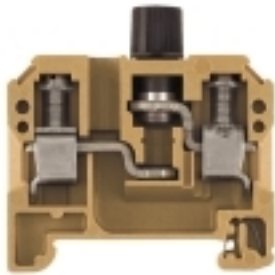
SAKS 1/35/G20**Weidmüller Interface GmbH & Co. KG**

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 | SAK Series, Fuse terminal, Rated cross-section: 10 mm ² , Screw connection, medium yellow, Direct mounting |
| Order No. | 0501620000 |
| Type | SAKS 1/35/G20 |
| GTIN (EAN) | 4008190111229 |
| Qty. | 20 pc(s). |

Creation date March 3, 2023 11:51:00 AM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|------------|
| Depth | 53 mm | Depth (inches) | 2.087 inch |
| Height | 54 mm | Height (inches) | 2.126 inch |
| Width | 13 mm | Width (inches) | 0.512 inch |
| Net weight | 36.5 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | 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 | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| 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, max. | 16 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 4 |
| Connection cross-section, stranded, max. | 10 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| 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, max. | 10 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, 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 20 | Display | Without LED |
| Fuse holder (cartridge holder) | for screw fixing | Operating voltage, max. | 500 V |
| Type of voltage for indicator | AC/DC | | |

General

| | | | |
|---|-----------------|---|--------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |

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 |
| Power loss in accordance with IEC 60947-7-x | 1.82 W | 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 | | |

Data sheet

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Technical data

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

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate VDE Certificate Lloyds Register Certificate MARITREG Certificate Declaration of Conformity CE Declaration of Conformity all terminals |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |