

SAK Series
SAKS 3 G/5X30 500V**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

The fuse terminals of the Weidmüller SAK series are available in two different forms:

- Fuse terminal with pivoting retaining lever
- Fuse terminal with screwed cap

General ordering data

| | |
|------------|----------------------------|
| Type | SAKS 3 G/5X30 500V |
| Order No. | 0297520000 |
| GTIN (EAN) | 4008190128401 |
| Qty. | 20 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|------------|--------|--------------------------|-------|
| Length | 54 mm | Width | 13 mm |
| Height | 61 mm | Height of lowest version | 61 mm |
| Net weight | 45.1 g | | |

Temperatures

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

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|---|
| Explosion-tested version | No | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | Version | Screw connection, Fuse cartridge, One end without connector |

CSA ratings data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-198 | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 10 A | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 22 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|--------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 10 mm ² |
|---|---------------------|---|--------------------|

Clampable wires (rated connection)

| | | | |
|---|---------------------|---|----------------------|
| Type of connection | Screw connection | Stripping length | 12 mm |
| Blade size | 1.0 x 5.5 mm | Connection direction | on side |
| Number of connections | 2 | Clamping range, rated connection, min. | 0.33 mm ² |
| Clamping range, rated connection, max. | 16 mm ² | Clamping screw | M 4 |
| Tightening torque, min. | 1.2 Nm | Tightening torque, max. | 2.4 Nm |
| Torque level with DMS electric screwdriver | 4 | Gauge to IEC 60947-1 | B6 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 16 mm ² |
| Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² | Wire connection cross section, stranded, rated connection, max. | 10 mm ² |
| 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, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 10 mm ² |
| Wire connection cross section AWG, min. | AWG 22 | Wire connection cross section AWG, max. | AWG 10 |

Rated data

| | | | |
|---------------------------------|--------------------|--------------------|-------|
| Rated cross-section | 10 mm ² | Rated voltage | 500 V |
| Rated impulse withstand voltage | 6 kV | Rated current | 10 A |
| Current at maximum wires | 10 A | Pollution severity | 3 |

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UL ratings data

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

Material data

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

System specifications

| | | | |
|-----------------------------------|------------|----------------------------------|------------------|
| Product family | SAK Series | Type of connection | Screw connection |
| Connection direction | on side | Number of levels | 1 |
| Number of connections | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 32 |
| End cover plate required | Yes | | |

Display element

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

Fuse terminals

| | | | |
|--------------------------------|------------------|-------------------------|-------------|
| Cartridge fuse | G-Si. 5 x 30 | Display | Without LED |
| Fuse holder (cartridge holder) | for screw fixing | Operating voltage, max. | 500 V |
| Type of voltage for indicator | AC/DC | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | 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 | | |

Product information

| | |
|--------------------------------|---|
| Descriptive text ordering data | SAKS 3 1"x1/4" with a red cap available under 0211120000. |
|--------------------------------|---|

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|