

**SAK Series**  
**SAKS 4/35**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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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 4/35
Order No.	<a href="#">0501820000</a>
GTIN (EAN)	4008190090166
Qty.	20 pc(s).

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

Length	75 mm	Width	24 mm
Height	66 mm	Height of lowest version	66 mm
Net weight	77.2 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	closed
Type of mounting		Version	Screw connection, Fuse cartridge, for screwable cross-connection, One end without connector
	Snap-on		

**CSA ratings data**

Certificate No. (CSA)	12400-188	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Current size B (CSA)	30 A	Current size C (CSA)	30 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	8 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 <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm <sup>2</sup>
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**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	14 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 <sup>2</sup>
Clamping range, rated connection, max.	16 mm <sup>2</sup>	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 <sup>2</sup>	Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 8

# Data sheet

## SAK Series SAKS 4/35

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# Technical data

### Rated data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	400 V
Rated impulse withstand voltage	6 kV	Rated current	16 A
Current at maximum wires	16 A	Standards	IEC 60947-7-3
Pollution severity	3		

### UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	600 V
Current size C (UR)	30 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 35
End cover plate required	No		

### Display element

Operating voltage for display, max.	400 V	Type of voltage for indicator	AC/DC
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### Fuse terminals

Cartridge fuse	E14	Display	Without LED
Fuse holder (cartridge holder)	for screw fixing	Operating voltage, max.	400 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 technical data      Connections for stranded conductors from 10 mm<sup>2</sup> and 7-wire AWG conductors require a tightening torque of 2 Nm.

### Approvals

Approvals



ROHS      Conform