SAK Series
SAKS 1/35/G20 DB

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Klippon® Connect with clamping yoke Technology
The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	SAKS 1/35/G20 DB
Order No.	0501600000
Version	SAK Series, Fuse terminal, Rated cross-section: 10 mm², Screw connection, Dark Beige, Direct mounting
GTIN (EAN)	4008190164843
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	38.6 g		

Temperatures

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

Material data

Material	KrG	Colour	Dark Beige
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 mm²

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm²
Clamping range, min.	0.13 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	10 mm²	Connection cross-section, stranded, min.	1.5 mm²
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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

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		

Rating data

Rated cross-section	10 mm²	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		

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Technical data

Product information

Descriptive text technical data	Connections for 10-mm² stranded conductors require a tightening torque of 2 Nm.
Instructions for accessories	An M 3 x 6 mm screw, with order no. 0346200000, should be used for the cross-connection.

Approvals

Approvals	
ROHS	Conform

Safety note

Safety notice	Safety Information

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Drawings