

SAK Series
SAKK 10 KER/WS**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Ceramic is an excellent material in the electronics branch because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, the low loss factor and the high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.

General ordering data

Type	SAKK 10 KER/WS
Order No.	1598090000
Version	SAK Series, Feed-through terminal, Rated cross-section: 10 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190185565
Qty.	25 pc(s).

Data sheet

SAK Series SAKK 10 KER/WS

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Technical data

Dimensions and weights

Length	40 mm	Width	11.5 mm
Height	53 mm	Height of lowest version	53 mm
Net weight	46.4 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	250 °C

Rated data IECEx/ATEX

Certificate No. (ATEX)	SIRA03ATEX3425U	ATEX certificate	SIRA03ATEX3425U_d.pdf
ATEX certificate	SIRA03ATEX3425U_e.pdf	Certificate No. (IECEX)	IECEXSIR05.0032U
IEC Ex certificate	IECEXSIR05.0032U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	50 A	Wire cross section max. (ATEX)	10 mm ²
Max. voltage (IECEX)	275 V	Current (IECEX)	50 A
Wire cross section max. (IECEX)	10 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Screw connection, for screwable cross-connection, One end without connector

CSA ratings data

Certificate No. (CSA)	12400-290	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm ²
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Technical data**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.	1.5 mm ²
Clamping range, rated connection, max.	16 mm ²	Clamping screw	M 4
Tightening torque, min.	2 Nm	Tightening torque, max.	2.4 Nm
Gauge to IEC 60947-1	B6	Wire connection cross section, solid core, max. rated connection	1.5 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.	16 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross-section, finely stranded, min.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm ²	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 6		

Rated data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	57 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	600 V
Current size C (UR)	55 A	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG

Material data

Material	Ceramic	Colour	White
UL 94 flammability rating	V-0, 5VB		

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		

Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-90
eClass 7.1	27-14-11-90		

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Technical data**Product information**

Descriptive text technical data	Do not use mechanical or electrical torque screwdrivers for fastening the conductor.
Descriptive text accessories	End barrier MEW 1/32 order no. 0445600000; Locking pin SST3 order no. 0152700000

Approvals

Approvals



ROHS Conform

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