SAK Series
EK 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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EK 10 035466

In order to do justice to the different requirements placed on our products, it is necessary to use various insulating materials tailored to the particular application. None of the insulating materials used by Weidmüller contain any hazardous substances. Above all, we ensure that all our materials are free from cadmium. Furthermore, they contain no colour pigments based on heavy metals and do not lead to the formation of dioxin/furan.

General ordering data

Type	EK 10
Order No.	0354660000
Version	SAK Series, PE terminal, Rated cross-section: 10 mm², Screw connection, PA 66, green / yellow
GTIN (EAN)	4008190069827
Qty.	100 pc(s).

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Technische Daten

Dimensions and weights

Length	40 mm	Width	10 mm
Height	51.5 mm	Height of lowest version	51.5 mm
Weight	28.64 g	Net weight	28.45 g

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	ATEX certificate	IECEXKEM06.0014U
ATEX certificate	KEMA97ATEX1798U_e.pdf	Certificate No. (IECEX)	IECEXKEM06.0014U
IEC Ex certificate	IECEXKEM06.0014U_e.pdf	Wire cross section max. (ATEX)	10 mm²
Wire cross section max. (IECEX)	10 mm²	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	Ex e II
Marking ATEX Directive 94/9/EC	II 2 G D		

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	closed	Type of mounting	Screwed
Version	Screw connection, With PE connection, One end without connector		

CSA ratings data

Certificate No. (CSA)	200039-2124451	Wire cross section max. (CSA)	8 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.	0.5 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm²

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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.	0.5 mm²
Clamping range, rated connection, max.	10 mm²	Clamping screw	M 4
Tightening torque, min.	1.2 Nm	Tightening torque, max.	1.6 Nm
Gauge to IEC 60947-1	B6	Wire connection cross section, solid core, max. rated connection	0.5 mm²
Wire connection cross section, solid core max. rated connection	10 mm²	Wire connection cross section, stranded, rated connection, min.	1.5 mm²
Wire connection cross section, stranded, rated connection, max.	6 mm²	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross-section, finely stranded, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 8		

Rated data

Rated cross-section	10 mm²	Rated voltage to adjoining terminal	800 V
Rated impulse withstand voltage to adjacent terminal	8 kV	Standards	IEC 60947-7-2
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	8 AWG

Material data

Insulating material	PA 66	Material	PA 66
Colour	Yellow, Green	UL 94 flammability rating	V-2

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	No		

Classifications

ETIM 3.0	EC000901	UNSPSC	30-21-18-11
eClass 5.1	27-14-03-05	eClass 6.2	27-14-03-05
eClass 7.1	27-14-03-05		

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Approvals

Approvals	
ROHS	Conform