SAK Series
SAK 10 KRG

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

Available until	2020-12-31
Type	SAK 10 KRG
Order No.	0110020000
GTIN (EAN)	4008190047214
Qty.	100 pc(s).
Alternative product	1020300000

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Technical data

Dimensions and weights

Width	10 mm	Width (inches)	0.394 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	49 mm	Depth (inches)	1.929 inch
Net weight	22.68 g		

Temperatures

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

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	550 V	Current (ATEX)	50 A
Wire cross section max. (ATEX)	10 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	50 A	Wire cross section max. (IECEX)	10 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for copper conductors)	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 32
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	65 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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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.	1.5 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 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.	2 Nm
Twin wire-end ferrules, max.	6 mm²	Twin wire-end ferrules, min.	0.75 mm²
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded, max.	16 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.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, finely stranded, min.	1.5 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	1.5 mm²		

Rating data

Rated cross-section	10 mm²	Rated voltage	800 V
Rated current	57 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size C (UR)	60 A
Voltage size C (UR)	600 V		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	With AWG 6 and H07V-R16 conductors, an increased MD torque of 2 to 2.4 Nm must be applied.
Descriptive text technical data	When used with twin wire-end ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

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Technical data

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity DE_PT1341_20160414_013_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD

Safety note

Safety notice	Safety Information