SAK Series
EK 10

Weidmüller Interface GmbH & Co. KG
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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	EK 10
Order No.	0354660000
Version	SAK Series, PE terminal, Rated cross-section: 10 mm², Screw connection, green / yellow
GTIN (EAN)	4008190069827
Qty.	100 pc(s).

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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	51.5 mm	Depth (inches)	2.028 inch
Weight	28.64 g	Net weight	28.45 g

Temperatures

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

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Wire cross section max. (ATEX)	10 mm²	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, With PE connection, One end without connector	Tightening torque (mounting screw)	0.5...1 Nm
Tightening torque (clamping screw for copper conductors)	1.2...1.6 Nm	End cover plate required	No
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	Yes
Mounting rail	TS 32	N-function	No
PE function	Yes	PEN function	No

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	closed	Type of mounting	Screwed

CSA rating data

Certificate No. (CSA)	200039-2124451	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	14 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.	10 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	6 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.	1.6 Nm	Tightening torque, min.	1.2 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 20	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.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

PE rating data

Rated short-time current	720 A (6 mm²)	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5…1.0 Nm	PEN function	No

Rating data

Rated cross-section	10 mm²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage to adjacent terminal	8 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)	14 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	14 AWG		

Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	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
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

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Technical data

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity ATEX Certificate IECEx Certificate DE_PT1332_20160418_167_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
User Documentation	Cross Connection Guide

Safety note

Safety notice	Safety Information

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