

SAK Series
SAKK 10 KER/WS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

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).

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Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Width	11.5 mm	Width (inches)	0.453 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	53 mm	Depth (inches)	2.087 inch
Net weight	45.2 g		

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	250 °C

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	SIRA03ATEX3425U	Certificate No. (IECEX)	IECEXSIR05.0032U
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
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	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

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

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Technical data**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	1.5 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.2 Nm	Tightening torque, min.	1.2 Nm
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 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, finely stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

Rating data

Rated cross-section	10 mm ²	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
Power loss in accordance with IEC 60947-7-x	1.82 W	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)	55 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

Approvals

Approvals



ROHS

Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity ATEX Certificate IECEX Certificate CB Certificate CB Test Certificate EAC certificate DE_PT1351_20160418_542_ISSUE01.pdf Declaration of Conformity Terminals
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
Product Change Notification	PCN_SAKK_20190405
User Documentation	NTI SAKK 10 StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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