

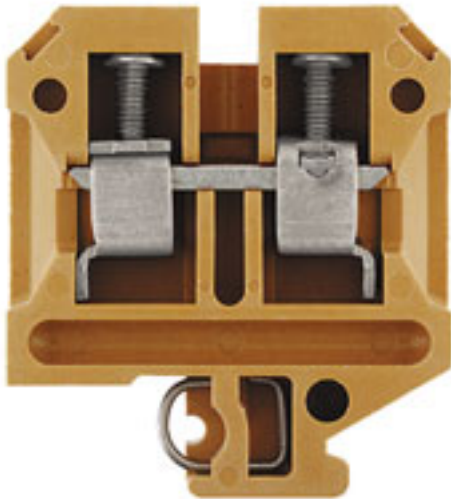
SAK 16 KRG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Order No.	0271020000
Type	SAK 16 KRG
GTIN (EAN)	4008190120856
Qty.	50 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-12-31
Alternative product	0271060000

Creation date 03 December 2021 03:09:13 CET

Catalogue status 19.11.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	57.5 mm	Depth (inches)	2.264 inch
Height	50 mm	Height (inches)	1.969 inch
Width	12 mm	Width (inches)	0.472 inch
Net weight	36.06 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
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)	690 V	Current (ATEX)	66 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	66 A	Wire cross section max. (IECEX)	16 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

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	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)	87 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	4 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.	2.5 mm ²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm ²	Connection cross-section, stranded, min.	4 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	15 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	2 Nm
Twin wire-end ferrules, max.	10 mm ²	Twin wire-end ferrules, min.	1.5 mm ²
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, finely stranded, min.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	2.5 mm ²		

General

Rail	TS 32	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 12

Rating data

Rated cross-section	16 mm ²	Rated voltage	800 V
Rated current	76 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	4 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	80 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity EAC certificate Lloyds Register Certificate MARITREG Certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – 02631_SAK_16_KRG_DXF.dxf
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format