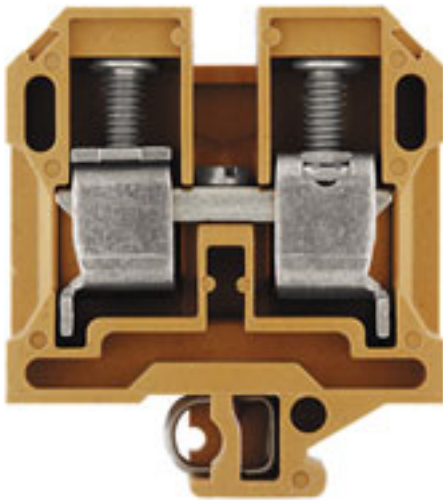


SAK Series
SAK 35 KRG

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

Delivery status	This article will no longer be available in the future.
Available until	2020-12-31
Type	SAK 35 KRG
Order No.	0303520000
GTIN (EAN)	4008190172114
Qty.	20 pc(s).
Alternative product	1020500000

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Technical data**Dimensions and weights**

Width	18 mm	Width (inches)	0.709 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	67.5 mm	Depth (inches)	2.657 inch
Weight	89.9 g	Net weight	86.55 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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)	550 V	Current (ATEX)	109 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	109 A	Wire cross section max. (IECEX)	35 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	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	145 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

SAK Series SAK 35 KRG

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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	50 mm ²	Clamping range, min.	6 mm ²
Connection cross-section, stranded, max.	50 mm ²	Connection cross-section, stranded, min.	16 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B9
Number of connections	2	Stripping length	20 mm
Twin wire-end ferrules, max.	16 mm ²	Twin wire-end ferrules, min.	1.5 mm ²
Type of connection	Screw connection	Wire connection cross section, finely stranded, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm ²
Wire connection cross-section, finely stranded, min.	10 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	6 mm ²		

Rating data

Rated cross-section	35 mm ²	Rated voltage	800 V
Rated current	125 A	Current at maximum wires	125 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Power loss in accordance with IEC 60947-7-x	4 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

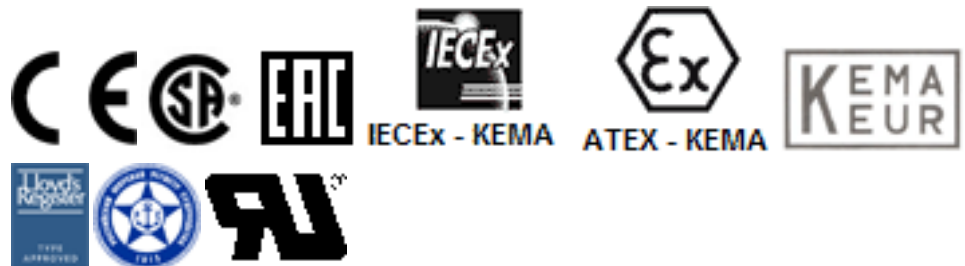
Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	105 A
Voltage size C (UR)	600 V		

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

Data sheet**SAK Series
SAK 35 KRG**

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Attestation Of Conformity DE_PT1341_20160414_025_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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