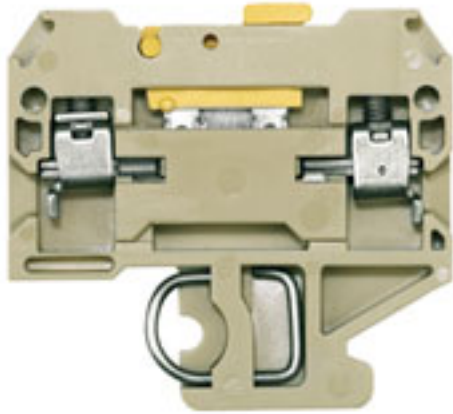


SAK Series
SAKR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**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	SAKR
Order No.	0412160000
Version	SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm ² , Screw connection, Beige, Direct mounting
GTIN (EAN)	4008190016418
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Width	6.5 mm	Width (inches)	0.256 inch
Height	42 mm	Height (inches)	1.654 inch
Depth	40.5 mm	Depth (inches)	1.594 inch
Net weight	9.052 g		

Temperatures

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

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	SIRA03ATEX4288U	Certificate No. (IECEX)	IECEXSIR05.0033U
Max. voltage (ATEX)	400 V	Current (ATEX)	10 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	400 V
Current (IECEX)	10 A	Wire cross section max. (IECEX)	4 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, Disconnection element, One end without connector	Tightening torque (clamping screw for copper conductors)	0.5...1 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	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	12400-132	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	24 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.

2.5 mm²

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

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Clamping screw	M 3
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	A3	Tightening torque, max.	1 Nm
Stripping length	8 mm	Torque level with DMS electric screwdriver	2
Tightening torque, min.	0.5 Nm	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1.5 mm ²	Wire connection cross section AWG, max.	AWG 12
Type of connection	Screw connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	4 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm ²		

Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	Pivoting		

Rating data

Rated cross-section	4 mm ²	Rated voltage	400 V
Rated current	10 A	Current at maximum wires	10 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size D (UR)	10 A
Voltage size D (UR)	300 V		

Classifications

ETIM 3.0	EC000902	ETIM 4.0	EC000902
ETIM 5.0	EC000902	ETIM 6.0	EC000902
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-26
eClass 6.2	27-14-11-26	eClass 7.1	27-14-11-26
eClass 8.1	27-14-11-26	eClass 9.0	27-14-11-26
eClass 9.1	27-14-11-26		

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Technical data

Product information

Descriptive text technical data	Torque for SAKR with sockets 0.5 - 0.7 Nm.
Descriptive text accessories	QB 25 blank, refer to the Accessories section. Note that max. conductor connection with QB is 2.5 mm ² . Twin wire-end ferrules ZH 0.5 to ZH 1.5 can be used.

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_SAKR.pdf DE_PT1332_20160418_560_ISSUE01.pdf
Engineering Data	EPLAN_WSCAD
User Documentation	Cross Connection Guide

Safety note

Safety notice	Safety Information
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