

**SAK Series
SAKR KRG**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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	SAKR KRG
Order No.	0412120000
Version	SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm ² , Screw connection, medium yellow, Direct mounting
GTIN (EAN)	4008190074180
Qty.	100 pc(s).
Alternative product	7910180000

Creation date April 30, 2020 11:33:36 PM CEST

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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	11.83 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)	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	Marking EN 60079-7	Ex ec II C Gc
Ex 2014/34/EU label	II 3 G D		

System specifications

Version	Screw connection, Spacer, 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		

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

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	8 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	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, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²	Wire connection cross-section, solid core, min.	0.5 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
Power loss in accordance with IEC 60947-7-x	1.02 W	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 6.0	EC000902	ETIM 7.0	EC000902
eClass 9.0	27-14-11-26	eClass 9.1	27-14-11-26
eClass 10.0	27-14-11-26	UNSPSC	30-21-18-11

Approvals

Approvals



ROHS Conform

Creation date April 30, 2020 11:33:36 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet**SAK Series
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	DE_PT1342_20160418_567_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Product Change Notification	Technical change of SAKR - DE Technical change of SAKR - EN Technical change - EN Technical change - DE
User Documentation	StorageConditionsTerminalBlocks

Safety note

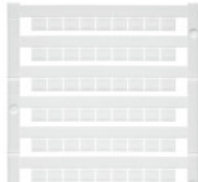
Safety notice	Safety Information
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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/6.5 MC NE WS	Version	
Order No.	1609840000		Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429		Weidmueller, white
Qty.	900 pc(s).		

Test plug



Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	PS 2.3 RT	Version	
Order No.	0180400000		Accessories, Test plug
GTIN (EAN)	4008190060121		
Qty.	20 pc(s).		

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Accessories

QB RA

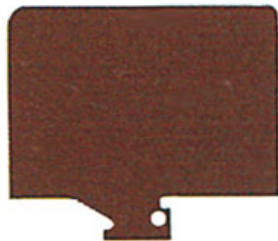


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General ordering data

Type	QB 3 WI RA6 IS	Version
Order No.	048280000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190145217	poles: 3
Qty.	50 pc(s).	
Type	QB 2 WI RA6 IS	Version
Order No.	048270000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190166021	poles: 2
Qty.	50 pc(s).	
Type	QB 4 WI RA6 IS	Version
Order No.	048290000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190086169	poles: 4
Qty.	50 pc(s).	

Partition plates



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General ordering data

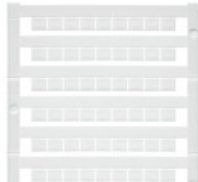
Type	TW SAK2.5 HP/TF/GE/1	Version
Order No.	029710000	SAK Series, Separation plate, 1 mm, yellow, Direct mounting
GTIN (EAN)	4008190161545	
Qty.	20 pc(s).	

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Accessories

Custom printing



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- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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General ordering data

Type	DEK 5/6.5 MC SDR	Version	
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50	
GTIN (EAN)	4008190456610	Weidmueller, To customer specification	
Qty.	180 pc(s).		

Non-insulated sockets



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General ordering data

Type	STB 6/D3.7/2.3/M3 SAKR	Version	
Order No.	0379400000	SAK Series, Socket	
GTIN (EAN)	4008190023478		
Qty.	100 pc(s).		

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Accessories

End plates



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General ordering data

Type	AP SAKR BE	Version
Order No.	0211360000	SAK Series, End plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190184834	
Qty.	20 pc(s).	
Type	AP SAKR BL	Version
Order No.	0211380000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190141943	
Qty.	20 pc(s).	