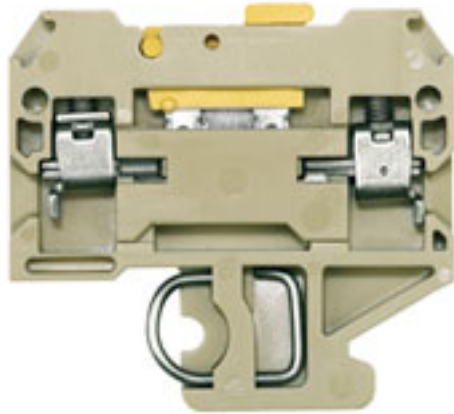


## SAK Series SAKR

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



Disconnect terminals enable circuits to be quickly and safely isolated, e.g. in order to carry out maintenance or repair work.

Disconnect terminals are available in two versions:

- Double disconnect terminal with rated cross-section of 1.5 mm<sup>2</sup> for circuits on the upper and/or lower levels
- Disconnect terminals with a profile identical with the W-Series terminals with rated cross-sections of 2 mm<sup>2</sup> and 4 mm<sup>2</sup>

### General ordering data

Type	SAKR
Order No.	<a href="#">0412160000</a>
Version	SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, PA 66, Beige, Direct mounting
GTIN (EAN)	4008190016418
Qty.	100 pc(s).

## 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

## Technische Daten

### Dimensions and weights

Length	42 mm	Width	6.5 mm
Height	40.5 mm	Height of lowest version	40.5 mm
Net weight	9.052 g		

### Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

### Rated data IECEx/ATEX

Certificate No. (ATEX)	SIRA03ATEX4288U	ATEX certificate	SIRA03ATEX4288U_d.pdf
ATEX certificate	SIRA03ATEX4288U_e.pdf	Certificate No. (IECEX)	IECEXSIR05.0033U
IEC Ex certificate	IECEXSIR05.0033U_e.pdf	Max. voltage (ATEX)	400 V
Current (ATEX)	10 A	Wire cross section max. (ATEX)	4 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking ATEX Directive 94/9/EC	II 2 G D		

### Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting		Version	Screw connection, Disconnection element, One end without connector
	Snap-on		

### CSA ratings data

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

### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
---	---------------------	---	---------------------

## 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

## Technische Daten

### Clampable wires (rated connection)

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

### Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	Pivoting	Tightening torque, max.	1 Nm
Tightening torque, min.	0.5 Nm	Torque level with DMS electric screwdriver	2

### Rated data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	400 V
Rated impulse withstand voltage	6 kV	Rated current	10 A
Current at maximum wires	10 A	Standards	IEC 60947-7-1
Pollution severity	3		

### UL ratings data

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

### Material data

Insulating material	PA 66	Material	PA 66
Colour	Beige	UL 94 flammability rating	V-2

### System specifications

Product family	SAK Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 32
End cover plate required	Yes		

Erstellungs-Datum January 31, 2014 1:52:10 PM CET

**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

**Technische Daten**

**Classifications**

ETIM 3.0	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		

**Product information**

Descriptive text technical data	Torque for SAKR with socket: 0.5 - 0.7 Nm.
Descriptive text accessories	QB 25 blank, refer to "Accessories" section. Note that max. conductor connection with QB = 2.5 mm². Twin wire-end ferrules ZH 0.5 - ZH 1.5 can be used.

**Approvals**

Approvals



ROHS Conform