

**SAK Series**  
**SAKR 15****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

Special instruments are required for measuring electrical energy. One wrong connection during maintenance work is enough to ruin a current transformer! Disconnect test terminals represent a reliable way of solving this problem. As a leading supplier of line connectors, Weidmüller has developed special disconnect test terminals in close cooperation with users. These modular terminals ensure optimum realisation of all important circuits for the measurement of current, voltage and energy. Different current transformer circuits, e.g. for replacing measuring instruments or electricity meters, can be implemented.

**General ordering data**

Type	SAKR 15
Order No.	<a href="#">0412760000</a>
Version	SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, PA 66, Beige, Direct mounting
GTIN (EAN)	4008190035310
Qty.	100 pc(s).

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## Technische Daten

### Dimensions and weights

Length	42 mm	Width	6.5 mm
Height	31 mm	Height of lowest version	31 mm
Net weight	8.652 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		

### 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.	4 mm <sup>2</sup>
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### 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

### Dimensions

TS 15 offset	21 mm
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### 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
Standards	IEC 60947-7-1	Pollution severity	3

### 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 15
End cover plate required	Yes		

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**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 ordering data	The ZH 0.5 - ZH 1.5 twin ferrules can be used.
Descriptive text technical data	Tightening torque via the sockets is 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.

**Approvals**

Approvals



ROHS Conform