

**SAK Series**  
**SAK 4 SS 6.3/2.8**

**Weidmüller Interface GmbH & Co. KG**  
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**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	SAK 4 SS 6.3/2.8
Order No.	<a href="#">0479660000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Flat-blade connection, Direct mounting
GTIN (EAN)	4008190185527
Qty.	100 pc(s).

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**Technical data****Dimensions and weights**

Width	6.5 mm	Width (inches)	0.256 inch
Height	40 mm	Height (inches)	1.575 inch
Depth	51.5 mm	Depth (inches)	2.028 inch
Weight	9.06 g	Net weight	8.88 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		

**System specifications**

Version	With cable lug connection F2.8, With cable lug connection F6.3, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

**Additional technical data**

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	12400-129	Current size C (CSA)	13 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	18 AWG		

**Conductors for clamping (rated connection)**

Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Connection direction	on side	Number of connections	4
Type of connection	Flat-blade connection	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>		

**Other connections**

Cable-lug connection	Slotted	Rated cross-section spade connector 2.8 mm	1 mm <sup>2</sup>
Rated cross-section spade connector 6.3 mm	2.5 mm <sup>2</sup>		

## Data sheet

### SAK Series SAK 4 SS 6.3/2.8

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## Technical data

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated current	20 A	Current at maximum wires	20 A
Standards	IEC 61210, In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 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)	26 AWG	Current size C (UR)	25 A
Voltage size C (UR)	300 V		

### Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-31
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

### Product information

Descriptive text technical data Flat connectors must be connected with insulating sleeves. 20 A with F 6.3 or 2 x F 2.8

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity [DE\\_PT1331\\_20160418\\_412\\_ISSUE01.pdf](#)  
 Engineering Data [EPLAN.WSCAD](#)

### Safety note

Safety notice [Safety Information](#)