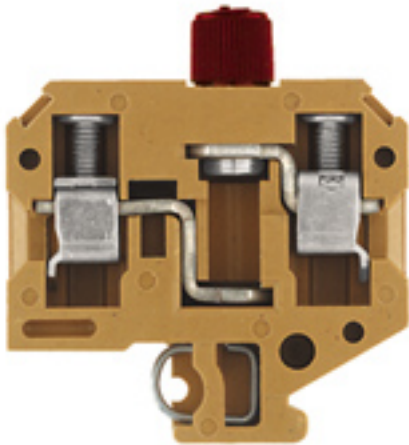


**SAK Series**  
**SAKS 6/GZ 500AC****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Klippon® Connect with clamping yoke Technology**

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	SAKS 6/GZ 500AC
Order No.	<a href="#">0531820000</a>
GTIN (EAN)	4008190129088
Qty.	50 pc(s).

**SAK Series**  
**SAKS 6/GZ 500AC****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Technical data****Dimensions and weights**

Width	13 mm	Width (inches)	0.512 inch
Height	65 mm	Height (inches)	2.559 inch
Depth	59.5 mm	Depth (inches)	2.343 inch
Net weight	47.76 g		

**Temperatures**

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		

**System specifications**

Version	Screw connection, Fuse cartridge, With glow lamp, One end without connector	Tightening torque (clamping screw for copper conductors)	1.2...2.4 Nm
End cover plate required	No	Number of levels	1
No. of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 32

**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)	12400-198	Current size C (CSA)	10 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	26 AWG		

**SAK Series**  
**SAKS 6/GZ 500AC**

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

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

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	16 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping screw	M 4
Connection direction	on side	Number of connections	2
Stripping length	14 mm	Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.2 Nm	Torque level with DMS electric screwdriver	4
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 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, max.	10 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	10 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>		

**Display element**

Current	1 mA	Type of voltage for indicator	AC
---------	------	-------------------------------	----

**Fuse terminals**

Cartridge fuse	G-Si. 6.3 x 32	Current	1 mA
Display	Neon lamp	Fuse holder (cartridge holder)	for screw fixing
Operating voltage, max.	500 V	Type of voltage for indicator	AC

**Rating data**

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	500 V
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	6 kV

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	8 A
Voltage size C (UR)	600 V		

**Classifications**

ETIM 3.0	EC000899	ETIM 4.0	EC000899
ETIM 5.0	EC000899	ETIM 6.0	EC000899
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-16
eClass 6.2	27-14-11-16	eClass 7.1	27-14-11-16
eClass 8.1	27-14-11-16	eClass 9.0	27-14-11-16
eClass 9.1	27-14-11-16		

**Product information**

Descriptive text technical data	A tightening torque of 1.6 Nm is required for securing multistrand conductors.
---------------------------------	--

Creation date January 15, 2018 5:09:48 PM CET

Catalogue status 12.01.2018 / We reserve the right to make technical changes.

**Data sheet****SAK Series**  
**SAKS 6/GZ 500AC****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1343\\_20160418\\_606\\_ISSUE01.pdf](#)

Engineering Data

[EPLAN\\_WSCAD](#)

Engineering Data

[STEP](#)**Safety note**

Safety notice

[Safety Information](#)