

SAK 6N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	SAK Series, Feed-through terminal, Rated cross-section: 6 mm ² , Screw connection, beige, Direct mounting
Order No.	0193260000
Type	SAK 6N
GTIN (EAN)	4008190031893
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 °C
Height	40 mm	Height (inches)	1.575 °C
Width	8 mm	Width (inches)	0.315 °C
Net weight	14.19 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Max. voltage (ATEX)	550 V	Current (ATEX)	41 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	10 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

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		

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	47 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 6 Nm

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Technical data

Conductors for clamping (rated connection)

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 Nm
Clamping range, min.	0.33 Nm	Clamping screw	M 3.5
Connection cross-section, stranded, max.	6 Nm	Connection cross-section, stranded, min.	0.5 Nm
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 inch	Tightening torque, min.	0.8 inch
Torque level with DMS electric screwdriver	3	Twin wire-end ferrules, max.	4 Nm
Twin wire-end ferrules, min.	0.5 Nm	Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded, max.	10 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 Nm
Wire connection cross-section, solid core, max.	10 Nm	Wire connection cross-section, solid core, min.	0.5 Nm

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-1	Wire connection cross section AWG, min.	AWG 22

Rating data

Rated cross-section	6 Nm	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	40 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity CFAT SAK 6N CB Certificate CB Test Certificate EAC certificate DNVGL certificate Lloyds Register Certificate MARITREG Certificate EAC EX Certificate IECEX Certificate ATEX Certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	20210308 Technical Change SAK PA 32
User Documentation	StorageConditionsTerminalBlocks NTI SAK 6N/32
Catalogues	Catalogues in PDF-format