

SAKG 28 I**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: 35 mm ² , Screw connection
Order No.	0170020000
Type	SAKG 28 I
GTIN (EAN)	4008190152000
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	70 mm	Height (inches)	2.756 inch
Net weight	100.5 g	Weight	104.9 g
Width	28 mm	Width (inches)	1.102 inch

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	KrG	Colour	beige
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Stud terminal / ZB	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	No	Number of similar terminals	1
Open sides	Open	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	12400-244	Current size C (CSA)	110 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	1 AWG
Wire cross section min. (CSA)	6 AWG		

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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	50 mm ²	Clamping range, min.	6 mm ²
Clamping screw	M 6	Connection cross-section, stranded, max.	50 mm ²
Connection cross-section, stranded, min.	6 mm ²	Connection direction	on side
Gauge to IEC 60947-1	B9	Number of connections	1
Stripping length	15 mm	Tightening torque, max.	6 Nm
Tightening torque, min.	4 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 1	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	6 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	6 mm ²		

General

Rail	TS 32	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 1	Wire connection cross section AWG, min.	AWG 6

Rating data

Power loss in accordance with IEC 60947-7-x	4 W	Rated cross-section	35 mm ²
Rated voltage	1,000 V	Rated current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	8 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	8 AWG	Current size C (UR)	95 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

Approvals

Approvals



ROHS Conform

UL File Number Search E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EAC certificate MARITREG Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks