

SAK Series
SAKG 46/35 II

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	SAKG 46/35 II
Order No.	0637920000
Version	SAK Series, Feed-through terminal, Rated cross-section: 150 mm ² , Screw connection, Medium Yellow, Direct mounting
GTIN (EAN)	4008190122645
Qty.	5 pc(s).

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Technical data**Dimensions and weights**

Width	46 mm	Width (inches)	1.811 inch
Height	106 mm	Height (inches)	4.173 inch
Depth	57 mm	Depth (inches)	2.244 inch
Net weight	367.8 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

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

System specifications

Version	Stud terminal	Tightening torque (clamping screw for copper conductors)	14...31 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
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	Open
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	12400-199	Current size C (CSA)	365 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	300 kcmil

Conductors for clamping (rated connection)

Clamping range, rated connection, max.	185 mm ²	Clamping range, rated connection, min.	10 mm ²
Clamping screw	M 12	Connection direction	on side
Number of connections	2	Tightening torque, max.	31 Nm
Tightening torque, min.	14 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	kcmil 300	Wire connection cross section AWG, min.	AWG 4/0
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, solid core, min. rated connection	10 mm ²

Rating data

Rated cross-section	150 mm ²	Rated voltage	1,000 V
Rated current	309 A	Current at maximum wires	353 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.1 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

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Data sheet

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Technical data

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	300 kcmil
Conductor size Factory wiring min. (UR)	0000 AWG	Conductor size Field wiring max. (UR)	300 kcmil
Conductor size Field wiring min. (UR)	0000 AWG	Current size C (UR)	285 A
Voltage size C (UR)	600 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	Conductor connection with cable lugs acc. to DIN 46234 from 10 .. 185 mm ² and DIN 46235 from 25 .. 150 mm ²
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	DE_PT1314_20160418_525_ISSUE01.pdf
Engineering Data	EPLAN_WSCAD
Engineering Data	0637920000_07188_SAKG_46-35_II_STP.stp

Safety note

Safety notice	Safety Information
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