

SAK Series
SAK 35N/35 KRG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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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	SAK 35N/35 KRG
Order No.	0608220000
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm², Screw connection, Medium Yellow, Direct mounting
GTIN (EAN)	4008190126278
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Width	16 mm	Width (inches)	0.63 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	60 mm	Depth (inches)	2.362 inch
Weight	76.25 g	Net weight	73.35 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	Screw connection, for screwable cross- connection, One end without connector	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	right
Type of mounting	Clamped		

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	120 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm	Clamping range, rated connection, max.	50 mm ²
Clamping range, rated connection, min.	2.5 mm ²	Clamping screw	M 6
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	B8	Tightening torque, max.	5 Nm
Stripping length	18 mm	Twin wire-end ferrules, max.	16 mm ²
Tightening torque, min.	4 Nm	Type of connection	Screw connection
Twin wire-end ferrules, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross section, stranded, rated connection, max.	50 mm ²
Wire connection cross section, solid core, min. rated connection	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	35 mm ²
Wire connection cross section, stranded, rated connection, min.	4 mm ²		
Wire connection cross-section, finely stranded, min.	2.5 mm ²		

Rating data

Rated cross-section	35 mm ²	Rated voltage	800 V
Rated current	125 A	Current at maximum wires	125 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)	12 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	100 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	27-14-11-20
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 ordering data	It is possible to use twin ferrules with identical rated voltages (LAB 13090).
Descriptive text technical data	The tightening torque for stranded conductors 16 - 50 mm ² and AWG 6 - 2/7 is 4.5 Nm. Twin wire-end ferrules ZH 2.5 - ZH 16 can be used.
Descriptive text accessories	If QIs are aligned side by side, then a TW/AP must be used.

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Technical data

Approvals

Approvals



ROHS

Conform

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Approval/Certificate/Document of
Conformity

[DE_PT1311_20160414_032_ISSUE01.pdf](#)

Engineering Data

[EPLAN_WSCAD](#)

Engineering Data

[0608220000_07022_SAK_35N-35_KRG_STP.stp](#)

Safety note

Safety notice

[Safety Information](#)