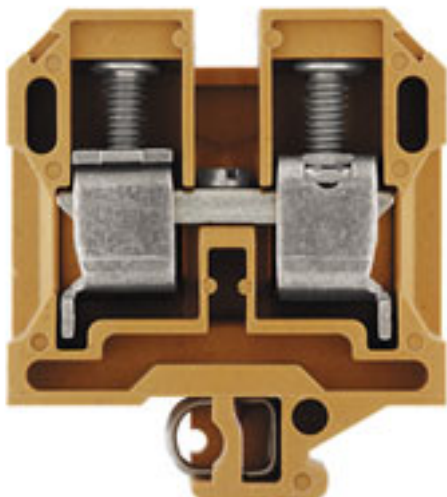


**SAK terminal with screw connection
SAK 35 KRG**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com



The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm² to 240 mm².

General ordering data

Order No.	0303520000
Type	SAK 35 KRG
Version	SAK terminal with screw connection, Feed-through terminal, Rated cross-section: 35 mm ² , KrG, Medium yellow
GTIN (EAN)	4008190172114
Qty.	20 pc(s).

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Technical data

Dimensions

Length	58 mm	Width	18 mm
Height	67.5 mm	Height of lowest version	67.5 mm
Weight	89.9 g		

Temperatures

Operating temperature	Storage temperature
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Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	ATEX certificate	IECEXKEM06.0014U
ATEX certificate	KEMA97ATEX1798U_e.pdf	Certificate No. (IECEX)	IECEXKEM06.0014U
IEC Ex certificate	IECEXKEM06.0014U_e.pdf	max. voltage	550 V
Current (ATEX)	109 A	Wire cross section max. (ATEX)	35 mm ²
max. voltage	550 V	Current (IECEX)	109 A
Wire cross section max. (IECEX)	35 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped
Version	Double terminal		

CSA ratings data

Certificate No. (CSA)	154685-1501714	Voltage size C (CSA)	600 V
Current size C (CSA)	145 A	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

Clampable wires (rated connection)

Stripping length	20 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	6 mm ²
Clamping range, rated connection, max.	50 mm ²	Gauge to IEC 60947-1	B9
Wire connection cross section, solid core, max. rated connection	6 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, stranded, rated connection, min.	16 mm ²	Wire connection cross section, stranded, rated connection, max.	50 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross-section, finely stranded, min.	10 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	35 mm ²
Twin wire-end ferrules, min.	1.5 mm ²	Twin wire-end ferrules, max.	16 mm ²

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Technical data
Rated data

Rated cross-section	35 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Current at maximum wires	125 A
Standards	IEC 60947-7-1	Pollution severity	3

UL ratings data

Certificate No. (UR)	E60693VOL1SEC14	Voltage size C (UR)	600 V
Current size C (UR)	105 A	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG

Material data

Material	KrG	Colour	Medium yellow
Flammability class UL 94	V-0		

System specifications

Product family	SAK terminal with screw connection	Connection direction	on side
Number of levels	1	Number of connections	2
No. of clamping points per level	2	Levels cross-connected internally	No
Mounting rail	TS 32	End cover plate required	Yes

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
ETIM 4.0	EC000897	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-20	eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20	eClass 7.0	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 is 4.5 Nm for 16 - 50 mm ² and AWG 6 - 2/7 stranded conductors. 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.

Approvals

Approvals

