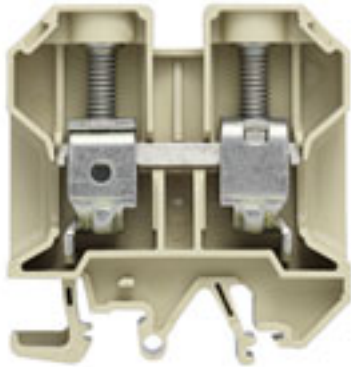


**SAK Series**  
**SAK 35/EN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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**

Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2018-12-31
Type	SAK 35/EN
Order No.	<a href="#">0339860000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008190076573
Qty.	20 pc(s).
Alternative product	<a href="#">1020500000</a>

Creation date May 16, 2020 3:35:35 AM CEST

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**Technical data****Dimensions and weights**

Width	18 mm	Width (inches)	0.709 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	63.5 mm	Depth (inches)	2.5 inch
Net weight	53 g		

**Temperatures**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °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)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	690 V	Current (ATEX)	109 A
Wire cross section max. (ATEX)	35 mm <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	109 A	Wire cross section max. (IECEX)	35 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

**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
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35, TS 32	N-function	No
PE function	No	PEN function	No

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	145 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, max.	50 mm <sup>2</sup>
Clamping range, min.	2.5 mm <sup>2</sup>	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm <sup>2</sup>	Connection cross-section, stranded, min.	4 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 Nm	Tightening torque, min.	4 Nm
Twin wire-end ferrules, max.	16 mm <sup>2</sup>	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>		

**Rating data**

Rated cross-section	35 mm <sup>2</sup>	Rated voltage	800 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
Power loss in accordance with IEC 60947-7-x	4 W	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)	115 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	UNSPSC	30-21-18-11

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation Of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">INMETRO certificate</a> <a href="#">DE_PT1361_20160414_028_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
Engineering Data	<a href="#">10556_SAK_35-EN_DXF.dxf</a> <a href="#">STEP</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice [Safety Information](#)