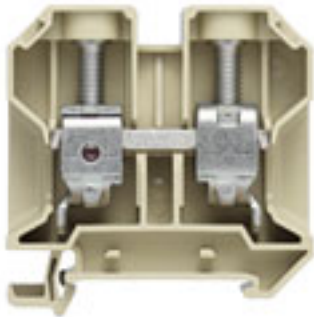


**SAK Series**  
**SAK 35/35****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Klippon® Connect with clamping yoke Technology**

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 35/35
Order No.	<a href="#">0380760000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm <sup>2</sup> , Screw connection, Beige
GTIN (EAN)	4008190063962
Qty.	20 pc(s).

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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	60 mm	Depth (inches)	2.362 inch
Weight	69.35 g	Net weight	52.15 g

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C
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**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)	550 V	Current (ATEX)	109 A
Wire cross section max. (ATEX)	35 mm <sup>2</sup>	Max. voltage (IECEX)	550 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 e II
Ex 2014/34/EU label	II 2 G D		

**System specifications**

Version	Screw connection, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for copper conductors)	4...5 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	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

**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		

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 35 mm<sup>2</sup>

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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 <sup>2</sup>
Clamping range, rated connection, min.	2.5 mm <sup>2</sup>	Clamping screw	M 6
Connection direction	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm <sup>2</sup>
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 with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>
Wire connection cross section, solid core, min. rated connection	2.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	50 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded, 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
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)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	105 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 <sup>2</sup> 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.

Creation date January 12, 2018 6:41:16 PM CET

Catalogue status 29.12.2017 / We reserve the right to make technical changes.

**Data sheet****SAK Series  
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**Technical data****Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_SAK_35.pdf</a> <a href="#">DE_PT1301_20160414_026_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Cross Connection Guide</a>

**Safety note**Safety notice [Safety Information](#)