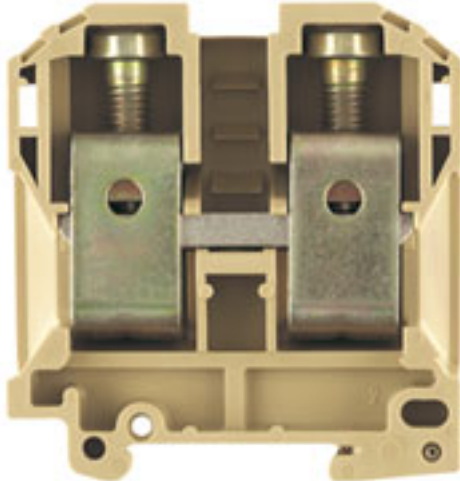


**SAK Series  
SAK 70/35**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 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 70/35
Order No.	<a href="#">0139160000</a>
Version	SAK Series, Feed-through terminal, Rated cross-section: 70 mm <sup>2</sup> , Screw connection, Beige
GTIN (EAN)	4008190088552
Qty.	10 pc(s).

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

Width	22 mm	Width (inches)	0.866 inch
Height	75 mm	Height (inches)	2.953 inch
Depth	87 mm	Depth (inches)	3.425 inch
Net weight	156.1 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		

**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	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

**CSA rating data**

Certificate No. (CSA)	12400-136	Current size C (CSA)	150 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	4 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	S6 (DIN 6911)	Clamping range, rated connection, max.	70 mm <sup>2</sup>
Clamping range, rated connection, min.	16 mm <sup>2</sup>	Clamping screw	M 8
Connection direction	on side	Gauge to IEC 60947-1	B11
Number of connections	2	Stripping length	24 mm
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2/0
Wire connection cross section AWG, min.	AWG 4	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.	16 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	70 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	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	70 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	16 mm <sup>2</sup>		

**Dimensions**

TS 35 offset	19.5 mm
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**Rating data**

Rated cross-section	70 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	192 A	Current at maximum wires	192 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.17 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	4 AWG	Conductor size Field wiring max. (UR)	00 AWG
Conductor size Field wiring min. (UR)	4 AWG	Current size C (UR)	150 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 technical data	Tightening torque for 70 mm <sup>2</sup> stranded = 12 Nm.
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**Data sheet****SAK Series**  
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Approvals



ROHS

Conform

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Engineering Data

[EPLAN.WSCAD](#)**Safety note**

Safety notice

[Safety Information](#)