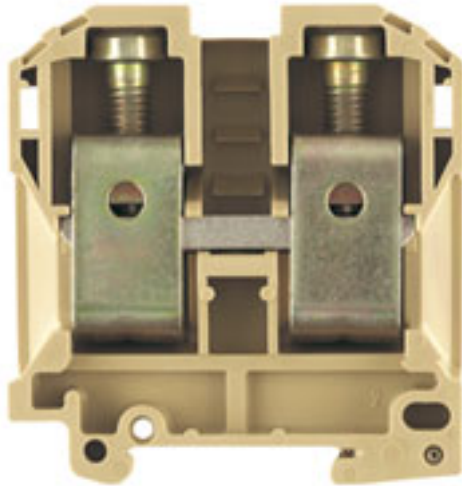


**SAK Series**  
**SAK 70/35**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm<sup>2</sup> to 240 mm<sup>2</sup>.

**General ordering data**

Order No.	<a href="#">0139160000</a>
Type	SAK 70/35
GTIN (EAN)	4008190088552
Qty.	10 pc(s).

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

Length	75 mm	Width	22 mm
Height	87 mm	Height of lowest version	87 mm
Net weight	157.1 g		

**Temperatures**

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped
Version	Screw connection, for screwable cross-connection, One end without connector		

**CSA ratings data**

Certificate No. (CSA)	12400-136	Voltage size C (CSA)	600 V
Current size C (CSA)	150 A	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	4 AWG		

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	16 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm <sup>2</sup>
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**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	24 mm
Blade size	S6 (DIN 6911)	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	16 mm <sup>2</sup>
Clamping range, rated connection, max.	70 mm <sup>2</sup>	Clamping screw	M 8
Tightening torque, min.	60 Nm	Tightening torque, max.	12 Nm
Gauge to IEC 60947-1	B11	Wire connection cross section, solid core, max. rated connection	16 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	70 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	70 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	16 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 with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 4
Wire connection cross section AWG, max.	AWG 2/0		

**Dimensions**

TS 35 offset	19.5 mm
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**Technical data**
**Rated data**

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

**Strap connection**

Band 1, No. of layers, min.	3: 9 x 0.8	Band 1, No. of layers, max.	6: 9 x 0.8
Band 2, No. of layers, min.	6: 13 x 0.5		

**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC14	Voltage size C (UR)	600 V
Current size C (UR)	150 A	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	4 AWG	Conductor size Field wiring max. (UR)	00 AWG

**Material data**

Insulating material	PA 66	Material	PA 66
Colour	Beige	UL 94 flammability rating	V-2

**System specifications**

Product family	SAK Series	Type of connection	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 35
End cover plate required	Yes		

**Classifications**

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	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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**Approvals**

Approvals



ROHS Conform