

**SAK terminal with screw connection  
SAK 10**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
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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="#">0110060000</a>
Type	SAK 10
Version	SAK terminal with screw connection, Feed-through terminal, Rated cross-section: 10 mm <sup>2</sup> , Screw connection, PA 66, beige
GTIN (EAN)	4008190027056
Qty.	100 pc(s).

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## Technical data

### Dimensions

Length	40 mm	Width	10 mm
Height	49 mm	Height of lowest version	51.5 mm
Net weight	18.95 g		

### Temperatures

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

### 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 (ATEX)	550 V
Current (ATEX)	50 A	Wire cross section max. (ATEX)	10 mm <sup>2</sup>
Max. voltage (IECEX)	550 V	Current (IECEX)	50 A
Wire cross section max. (IECEX)	10 mm <sup>2</sup>	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	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Double terminal		

### CSA ratings data

Certificate No. (CSA)	154685-1501714	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm <sup>2</sup>
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### Technical data

#### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	12 mm
Blade size	1.0 x 5.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	1.5 mm <sup>2</sup>
Clamping range, rated connection, max.	16 mm <sup>2</sup>	Clamping screw	M 4
Tightening torque, min.	2 Nm	Tightening torque, max.	2.4 Nm
Gauge to IEC 60947-1	B6	Wire connection cross section, solid core, max. rated connection	1.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	10 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	16 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm <sup>2</sup>	Twin wire-end ferrules, min.	0.75 mm <sup>2</sup>
Twin wire-end ferrules, max.	6 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 6		

#### Rated data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	57 A
Current at maximum wires	76 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)	60 A	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	6 AWG

#### Material data

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

#### System specifications

Product family	SAK terminal with screw connection	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 32
End cover plate required	Yes		

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**Technical data**

**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 6.0	27-14-11-20
eClass 7.0	27-14-11-20		

**Product information**

Descriptive text ordering data	A higher torque of 2 to 2.4 Nm is necessary when using H07V-R16 and AWG 6 conductors.
Descriptive text technical data	When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

**Approvals**

Approvals

