

**SAK Series  
SAK 2.5/TC CU**

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Weidmüller thermocouple terminals of the SAK Series are specially designed to transmit the smallest voltages in temperature measuring circuits. Special current bars ensure that no erroneous signals can be generated in the terminal in the case of temperature differences between the plus and minus paths. Such highly precise measurements are required in aircraft engine test rigs, complicated chemical processes, controls, etc.

- The material of the current bar is identical to that of the thermocouple and equalising lines.
- Clear labelling of the thermocouple
- 2-pole blocks per thermocouple
- 10 mm mounting width

**General ordering data**

Type	SAK 2.5/TC CU
Order No.	<a href="#">0189960000</a>
Version	SAK Series, Thermocouple terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection, Direct mounting
GTIN (EAN)	4008190171506
Qty.	100 pc(s).

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## Technische Daten

### Dimensions and weights

Length	36.5 mm	Width	6 mm
Height	46.5 mm	Height of lowest version	46.5 mm
Net weight	8.81 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	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Screw connection, Thermocouple, One end without connector

### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm <sup>2</sup>
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### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
Clamping screw	M 2.5	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	2.5 mm <sup>2</sup>		

### Rated data

Rated cross-section	2.5 mm <sup>2</sup>	Standards	IEC 60584, IEC 60947-7-1
Pollution severity	3		

### Material data

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 32
End cover plate required	Yes		

**Datenblatt****SAK Series  
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**Technische Daten****Classifications**

ETIM 3.0	EC000904	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-90
eClass 7.1	27-14-11-90		

**Approvals**

Approvals



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