

**SAK Series**  
**DK 4Q/35/TC TYP T****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

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**

Order No.	<a href="#">1285660000</a>
Type	DK 4Q/35/TC TYP T
GTIN (EAN)	4008190086060
Qty.	100 pc(s).

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

Length	54 mm	Width	6 mm
Height	59.5 mm	Height of lowest version	59.5 mm
Net weight	13.62 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	Thermocouple

**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.	2.5 mm <sup>2</sup>
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**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	9 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	4	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping screw	M 3	Tightening torque, min.	0.5 Nm
Tightening torque, max.	1 Nm	Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A3	Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 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.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>		

**Rated data**

Rated cross-section	4 mm <sup>2</sup>	Standards	IEC 60584, IEC 60947-7-1
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**Material data**

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

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**Technical data**

**System specifications**

Product family	SAK Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	2
Number of connections	4	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	EC000904	ETIM 3.0	EC000904
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-31
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

**Approvals**

Approvals



ROHS Conform