

**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

| | |
|------------|----------------------------|
| Type | DK 4Q/35/TC TYP T |
| Order No. | 1285660000 |
| GTIN (EAN) | 4008190086060 |
| Qty. | 100 pc(s). |

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Technische Daten

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 | 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 ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|---|---------------------|

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 ² |
| 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 ² |
| Wire connection cross section, solid core max. rated connection | 4 mm ² | Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² |
| Wire connection cross section, stranded, rated connection, max. | 4 mm ² | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross-section, finely stranded, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm ² | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm ² | | |

Rated data

| | | | |
|---------------------|-------------------|-----------|--------------------------|
| Rated cross-section | 4 mm ² | Standards | IEC 60584, IEC 60947-7-1 |
|---------------------|-------------------|-----------|--------------------------|

Material data

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

Erstellungs-Datum December 20, 2013 8:15:05 AM CET

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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 3.0 | EC000904 | UNSPSC | 30-21-18-11 |
| 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