

**SAK 2.5/TC CH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Thermocouple Terminal blocks are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal block when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes and controllers.

**General ordering data**

|            |                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Thermocouple terminal, Screw connection, beige / yellow, 2.5 mm <sup>2</sup> , Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66 |
| Order No.  | <a href="#">0107260000</a>                                                                                                                      |
| Type       | SAK 2.5/TC CH                                                                                                                                   |
| GTIN (EAN) | 4008190113711                                                                                                                                   |
| Qty.       | 25 pc(s).                                                                                                                                       |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 46.5 mm | Depth (inches)  | 1.831 inch |
| Height     | 36.5 mm | Height (inches) | 1.437 inch |
| Width      | 6 mm    | Width (inches)  | 0.236 inch |
| Net weight | 8.63 g  |                 |            |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 100 °C        |

## Material data

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Material                  | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2   |        |                |

## System specifications

|                                     |                                                           |                               |     |
|-------------------------------------|-----------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, Thermocouple, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                         | Number of levels              | 1   |
| Number of clamping points per level | 2                                                         | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                        | PE connection                 | No  |
| Rail                                | TS 32                                                     | N-function                    | No  |
| PE function                         | No                                                        | PEN function                  | No  |

## Additional technical data

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | No      | Installation advice | Direct mounting |
| Number of similar terminals | 1       | Open sides          | right           |
| Type of mounting            | Snap-on |                     |                 |

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 4 mm<sup>2</sup>

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## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 2.5 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Clamping screw                                                                          | M 2.5               |
| Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 10 mm                | Tightening torque, max.                                                                 | 0.6 Nm              |
| Tightening torque, min.                                                                 | 0.4 Nm               | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 14               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 2.5 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, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 2.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

## General

|                                         |                          |                                         |        |
|-----------------------------------------|--------------------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting          | Rail                                    | TS 32  |
| Standards                               | IEC 60584, IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section AWG, min. | AWG 26                   |                                         |        |

## Rating data

|                                              |                     |                                             |                          |
|----------------------------------------------|---------------------|---------------------------------------------|--------------------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Standards                                   | IEC 60584, IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Power loss in accordance with IEC 60947-7-x | 0.77 W                   |
| Pollution severity                           | 3                   |                                             |                          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000904    | ETIM 7.0    | EC000904    |
| ETIM 8.0    | EC000904    | ETIM 9.0    | EC000904    |
| ETIM 10.0   | EC000904    | ECLASS 9.0  | 27-14-11-42 |
| ECLASS 9.1  | 27-14-11-42 | ECLASS 10.0 | 27-14-11-42 |
| ECLASS 11.0 | 27-14-11-42 | ECLASS 12.0 | 27-14-11-42 |
| ECLASS 13.0 | 27-25-01-15 | ECLASS 14.0 | 27-25-01-15 |
| ECLASS 15.0 | 27-25-01-15 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

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### Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/)

ROHS

Conform

### Downloads

Approval/Certificate/Document of Con- [Declaration of Conformity](#)  
formity [UKCA declaration of conformity](#)

Engineering Data [CAD data – STEP](#)

User Documentation [StorageConditionsTerminalBlocks](#)

Catalogues [Catalogues in PDF-format](#)