**SAK Series**
**SAK 2.5/TC CH**

## Product image



### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

| | |
|---|---|
| Type | SAK 2.5/TC CH |
| Order No. | 0107260000 |
| Version | SAK Series, Thermocouple terminal, Rated cross-section: 2.5 mm², Screw connection, Direct mounting |
| GTIN (EAN) | 4008190113711 |
| Qty. | 100 pc(s). |

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**SAK Series**
**SAK 2.5/TC CH**

## Technical data

### Dimensions and weights

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

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature, max. | 40 °C | Storage temperature, min. | 10 °C |
| Storage temperature | 10 °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 mm² |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 2.5 mm² |
| Clamping screw | M 2.5 | 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 | | Wire connection cross-section, solid core, max. | |
| | Screw connection | | 2.5 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² | | |

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## Technical data

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | 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 |
| eClass 9.0 | 27-14-11-42 | eClass 9.1 | 27-14-11-42 |
| eClass 10.0 | 27-14-11-42 | UNSPSC | 30-21-18-11 |

### Approvals

| | |
|---|---|
| Approvals | C E EAC |
| ROHS | Conform |

### Downloads

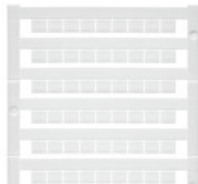| | |
|---|---|
| Approval/Certificate/Document of Conformity | DE_PT1305_20160418_384_ISSUE01.pdf |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| User Documentation | StorageConditionsTerminalBlocks |

### Safety note

| | |
|---|---|
| Safety notice | Safety Information |

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# Data sheet

## SAK Series
## SAK 2.5/TC CH

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Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Accessories

### Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

#### General ordering data

| Type | DEK 5/6.5 MC NE WS | Version | |
|------|--------------------|---------|---|
| Order No. | 1609840000 | Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 | |
| GTIN (EAN) | 4008190203429 | Weidmueller, white | |
| Qty. | 900 pc(s). | | |

### Plus

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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#### General ordering data

| Type | DEK 5/6 PLUS MC NE WS | Version | |
|------|------------------------|---------|---|
| Order No. | 1011320000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4032248717644 | Weidmueller, white | |
| Qty. | 1,000 pc(s). | | |

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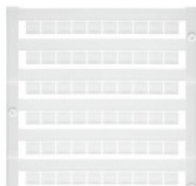
## Accessories

### Partition plates



**Klippon® Connect with clamping yoke Technology**
The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

| Type | WTW EN | Version |
|---|---|---|
| Order No. | 1058800000 | W-Series, Seperation plate |
| GTIN (EAN) | 4008190140175 | |
| Qty. | 20 pc(s). | |

### Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
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### General ordering data

| Type | DEK 5/6 MC SDR | Version |
|---|---|---|
| Order No. | 1609830000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190456603 | Weidmueller, To customer specification |
| Qty. | 200 pc(s). | |
| Type | DEK 5/6 PLUS MC SDR | Version |
| Order No. | 1038650000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4032248767908 | Weidmueller, To customer specification |
| Qty. | 200 pc(s). | |

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## Accessories

### Blank

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Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
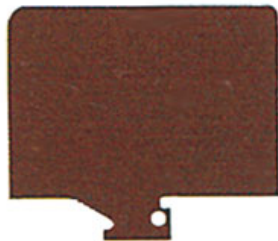
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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#### General ordering data

| Type | DEK 5/5 MC NE WS | Version | |
|---|---|---|---|
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 | |
| GTIN (EAN) | 4008190397111 | Weidmueller, white | |
| Qty. | 1,000 pc(s). | | |

### Partition plates

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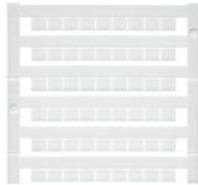
#### General ordering data

| Type | TW SAK2.5 | Version | |
|---|---|---|---|
| Order No. | 0302860000 | SAK Series, Seperation plate, 1.5 mm, beige, Direct mounting | |
| GTIN (EAN) | 4008190032968 | | |
| Qty. | 20 pc(s). | | |
| Type | TW SAK2.5 BL | Version | |
| Order No. | 0302880000 | SAK Series, Seperation plate, 1.5 mm, blue, Direct mounting | |
| GTIN (EAN) | 4008190047948 | | |
| Qty. | 20 pc(s). | | |
| Type | TW SAK2.5 HP/TF/GE/1 | Version | |
| Order No. | 0297100000 | SAK Series, Seperation plate, 1 mm, yellow, Direct mounting | |
| GTIN (EAN) | 4008190161545 | | |
| Qty. | 20 pc(s). | | |

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## Accessories

### Custom printing

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
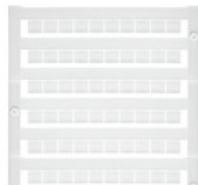
- Large range of ready-to-use markers
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### General ordering data

| Type | DEK 5/6.5 MC SDR | Version | |
|---|---|---|---|
| Order No. | 1609850000 | Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 | |
| GTIN (EAN) | 4008190456610 | Weidmueller, To customer specification | |
| Qty. | 180 pc(s). | | |

### Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

| Type | DEK 5/6 MC NE GN | Version | |
|---|---|---|---|
| Order No. | 1238310000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4050118271812 | Weidmueller, green | |
| Qty. | 1,000 pc(s). | | |

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## Accessories

| Type | DEK 5/6 MC NE GE | Version | |
|---|---|---|---|
| Order No. | 1238280000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4050118038750 | Weidmueller, yellow | |
| Qty. | 1,000 pc(s). | | |

| Type | DEK 5/6 MC NE GR | Version | |
|---|---|---|---|
| Order No. | 1238330000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4050118323306 | Weidmueller, grey | |
| Qty. | 1,000 pc(s). | | |

| Type | DEK 5/6 MC NE WS | Version | |
|---|---|---|---|
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4008190203436 | Weidmueller, white | |
| Qty. | 1,000 pc(s). | | |

| Type | DEK 5/6 MC NE BL | Version | |
|---|---|---|---|
| Order No. | 1238290000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4050118267327 | Weidmueller, blue | |
| Qty. | 1,000 pc(s). | | |

| Type | DEK 5/6 MC NE OR | Version | |
|---|---|---|---|
| Order No. | 1912090000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4032248540525 | Weidmueller, orange | |
| Qty. | 1,000 pc(s). | | |

| Type | DEK 5/6 MC NE BR | Version | |
|---|---|---|---|
| Order No. | 1454900000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 | |
| GTIN (EAN) | 4050118323313 | Weidmueller, brown | |
| Qty. | 1,000 pc(s). | | |

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**Data sheet**

**SAK Series**
**SAK 2.5/TC CH**

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Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**Accessories**

## DEK 5/6

### WS/ DEK

MultiMark DEK/WS connector markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

### Your benefits with MultiMark

• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

### General ordering data

| Type | DEK 5/6 MM WS | Version |
|---|---|---|
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 pc(s). | |

## End plates

### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

| Type | AP SAK2.5 | Version |
|---|---|---|
| Order No. | 0279560000 | SAK Series, End plate, 1.5 mm, beige, Direct mounting |
| GTIN (EAN) | 4008190075736 | |
| Qty. | 20 pc(s). | |
| Type | AP SAK2.5 BL | Version |
| Order No. | 0279580000 | SAK Series, End plate, 1.5 mm, blue, Direct mounting |
| GTIN (EAN) | 4008190050702 | |
| Qty. | 20 pc(s). | |

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