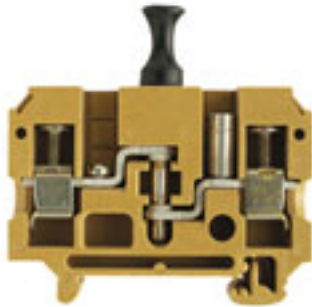


**SAK Series**  
**SAKC 10/35 2 STB4 KRG**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
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Germany  
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[www.weidmueller.com](http://www.weidmueller.com)

**Product image**

Similar to illustration

**Klippon® Connect with clamping yoke Technology**

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

**General ordering data**

|            |                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------|
| Type       | SAKC 10/35 2 STB4 KRG                                                                                               |
| Order No.  | <a href="#">1404620000</a>                                                                                          |
| Version    | SAK Series, Test-disconnect terminal, Rated cross-section: 10 mm², Screw connection, medium yellow, Direct mounting |
| GTIN (EAN) | 4008190113445                                                                                                       |
| Qty.       | 50 pc(s).                                                                                                           |

Creation date August 17, 2020 8:38:50 AM CEST

Catalogue status 24.07.2020 / We reserve the right to make technical changes.

## SAK Series

### SAKC 10/35 2 STB4 KRG

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## Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 12 mm   | Width (inches)  | 0.472 inch |
| Height     | 65 mm   | Height (inches) | 2.559 inch |
| Depth      | 48.5 mm | Depth (inches)  | 1.909 inch |
| Net weight | 49.7 g  |                 |            |

### Temperatures

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C        |                                  |        |

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Material data

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Material                  | KrG      | Colour | medium yellow |
| UL 94 flammability rating | V-0, 5VA |        |               |

### System specifications

|                                     |                                                                                                   |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, Spacer, With sockets, for screwable cross-connection, 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 35                                                                                             | N-function                    | No  |
| PE function                         | No                                                                                                | PEN function                  | No  |

### Additional technical data

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

### CSA rating data

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-186 | Current size C (CSA)          | 25 A   |
| Current size D (CSA)          | 5 A       | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V     | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 20 AWG    |                               |        |

### Conductors for clamping (additional connection)

|                                                                                             |        |
|---------------------------------------------------------------------------------------------|--------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 10 mm² |
|---------------------------------------------------------------------------------------------|--------|

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## Technical data

### Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 10 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.5 mm <sup>2</sup> | Clamping screw                                                                          | M 4                 |
| Connection cross-section, stranded, max.                                                | 10 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B6                  |
| Number of connections                                                                   | 2                   | Stripping length                                                                        | 12 mm               |
| Tightening torque, max.                                                                 | 2.4 Nm              | Tightening torque, min.                                                                 | 1.2 Nm              |
| Torque level with DMS electric screwdriver                                              | 4                   | Type of connection                                                                      | Screw connection    |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 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. | 10 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 10 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

### Disconnect terminals

|                  |           |                      |     |
|------------------|-----------|----------------------|-----|
| Cross-disconnect | without   | Integral test socket | Yes |
| Slitting         | pluggable |                      |     |

### Rating data

|                                             |                    |                                              |         |
|---------------------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section                         | 10 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated current                               | 27 A               | Current at maximum wires                     | 27 A    |
| Standards                                   | IEC 60947-7-1      | Volume resistance according to IEC 60947-7-x | 0.56 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.82 W             | Rated impulse withstand voltage              | 6 kV    |
| Pollution severity                          | 3                  |                                              |         |

### UL rating data

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 8 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size C (UR)                     | 25 A  |
| Voltage size C (UR)                     | 600 V  |                                         |       |

### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0   | EC000902    |
| eClass 9.0  | 27-14-11-26 | eClass 9.1 | 27-14-11-26 |
| eClass 10.0 | 27-14-11-26 | UNSPSC     | 30-21-18-11 |

### Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

|                                             |                                                                                                |
|---------------------------------------------|------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DE_PT1312_20160418_445_ISSUE01.pdf</a>          |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                   |
| Engineering Data                            | <a href="#">STEP</a>                                                                           |
| User Documentation                          | <a href="#">Beipackzettel_SAKC_SAKA.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a> |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|