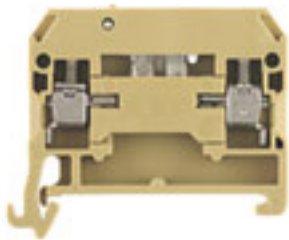


SAK Series
SAKR/35 BL

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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 | SAKR/35 BL |
| Order No. | 0172180000 |
| Version | SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm ² , Screw connection, Blue, Direct mounting |
| GTIN (EAN) | 4008190007843 |
| Qty. | 100 pc(s). |

Creation date December 14, 2018 11:40:25 AM CET

Catalogue status 07.12.2018 / We reserve the right to make technical changes.

Data sheet

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Width | 6.5 mm | Width (inches) | 0.256 inch |
| Height | 42 mm | Height (inches) | 1.654 inch |
| Depth | 40.5 mm | Depth (inches) | 1.594 inch |
| Net weight | 8.392 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

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

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX) | SIRA03ATEX4288U | Certificate No. (IECEX) | IECEXSIR05.0033U |
| Max. voltage (ATEX) | 400 V | Current (ATEX) | 10 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 400 V |
| Current (IECEX) | 10 A | Wire cross section max. (IECEX) | 4 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex eb II C Gb |
| Ex 2014/34/EU label | II 3 G D | | |

System specifications

| | | | |
|-------------------------------|--|--|------------|
| Version | Screw connection, Disconnection element, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.5...1 Nm |
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | No. of clamping points per level | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | No | Mounting rail | TS 35 |
| N-function | Yes | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-132 | Current size C (CSA) | 10 A |
| Voltage size C (CSA) | 300 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 24 AWG | | |

Conductors for clamping (additional connection)

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

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 3 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 | Stripping length | 8 mm |
| Tightening torque, max. | 1 Nm | Tightening torque, min. | 0.5 Nm |
| Torque level with DMS electric screwdriver | 2 | Twin wire-end ferrules, max. | 1.5 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Disconnect terminals

| | | | |
|------------------|----------|----------------------|----|
| Cross-disconnect | without | Integral test socket | No |
| Slitting | Pivoting | | |

Rating data

| | | | |
|---------------------------------|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 400 V |
| Rated current | 10 A | Current at maximum wires | 10 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Rated impulse withstand voltage | 6 kV | Pollution severity | 3 |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000902 | ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 | ETIM 6.0 | EC000902 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-26 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-26 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-26 | | |

Product information

| | |
|---------------------------------|--|
| Descriptive text ordering data | SAKR/35 2 StB order no. 0183360000 |
| Descriptive text technical data | Torque for SAKR with sockets 0.5 - 0.7 Nm. |
| Instructions for accessories | QB 25 blank, refer to the Accessories section. Note that max. conductor connection with QB is 2.5 mm ² . Twin wire-end ferrules ZH 0.5 to ZH 1.5 can be used. |

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Technical data**Approvals**

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CFAT_SAKR.pdf DE_PT1302_20160418_574_ISSUE01.pdf |
| Engineering Data | EPLAN_WSCAD |
| Engineering Data | STEP |
| User Documentation | Usage of terminals in EXi atmospheres |

Safety noteSafety notice [Safety Information](#)