



General ordering data

| | |
|------------------|---|
| Order No. | 0412160000 |
| Part designation | SAKR |
| Version | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32 |
| EAN | 4008190016418 |
| Qty. | 100 pc(s). |

Product notes

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|----------------------|--|
| Note, technical data | Torque for SAKR with socket: 0.5 - 0.7 Nm. |
| Note, accessories | QB 25 blank, refer to "Accessories" section. Note that max. conductor connection with QB = 2.5 mm ² . Twin wire-end ferrules ZH 0.5 - ZH 1.5 can be used. |

PT OKIECEX/ATEX rating data

| | |
|--------------------------------------|--|
| EU-type examination certificate | SIRA03ATEX4288U |
| Download English | SIRA03ATEX4288U_e.pdf |
| IECEX Certificate of Conformity | IECEXSIR05.0033U |
| Download | IECEXSIR05.0033U_e.pdf |
| ATEX voltage | 400 V |
| ATEX current | 10 A |
| ATEX conductor cross-section | 4 mm ² |
| IECEX voltage | 400 V |
| IECEX current | 10 A |
| IECEX conductor cross-section | 4 mm ² |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |
| Operating temperature range | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity |

Additional technical data

| | |
|-----------------------------------|---------|
| Colour of insulating material | beige |
| Connection direction | on side |
| End plate required | Yes |
| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 32 |
| Insulating material | PA 66 |
| Levels cross-connected internally | No |
| No. of identical terminals | 1 |
| No. of levels | 1 |

Additional technical data

| | |
|--|---------------------------|
| No. of terminal strips per level | 2 |
| Open sides | right |
| Operating temperature range | - 50 °C, + 100 °C |
| Product family | SAK Series |
| Type of connection | Screwed |
| Type of mounting | Snap-on |
| UL 94 flammability rating of insulation material | V2 |
| Version | Test-disconnect terminals |

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 300 V |
| CSA current | 10 A |
| Min. cross-section (CSA) | AWG 22 |
| Max. cross-section (CSA) | AWG 12 |

Conductors for clamping (additional connection)

| | |
|--|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm ² |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 4 mm ² |
| Type of connection | Screw connection |
| 2nd type of connection | screwed |
| Connection direction | on side |
| No. of connections | 2 |
| Stripping length | 8 mm |
| Clamping screw | M 3 |
| Blade size | 0.6 x 3.5 mm |
| Tightening torque range | 0.5...1.0 Nm |
| Torque level with DMS electric screwdriver | 2 |
| Gauge to IEC 60947-1 | A3 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 4 mm ² |
| Stranded, min. | 1.5 mm ² |
| Stranded, max. | 4 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 4 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 2.5 mm ² |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm ² |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 4 mm ² |
| Twin wire-end ferrule, min. | 0.5 mm ² |
| Twin wire end ferrule, max. | 1.5 mm ² |
| AWG conductor size, min. | AWG 26 |
| AWG conductor size, max. | AWG 12 |
| AWG conductor size, min. | 0.13 mm ² |
| AWG conductor size, max. | 3.31 mm ² |

Conductors for clamping (rated connection)

Dimensions

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|--------------------------|---------|
| Width | 6.5 mm |
| Height of lowest version | 40.5 mm |
| Length | 42 mm |
| TS 32 offset | 21 mm |

Disconnect terminals

| | |
|--|----------|
| Cross-disconnect | without |
| Integral test socket | No |
| Slitting | Pivoting |
| Torque level with DMS electric screwdriver | 2 |

Rating data

| | |
|-----------------------------|-------------------|
| Rated cross-section | 4 mm ² |
| Rated voltage | 400 V |
| Rated impulse voltage | 6 kV |
| Rated current | 10 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 10 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 300 V |
| Current (UL) | 10 A |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 12 |

Approvals

Approvals institutes



Classifications

| | |
|------------|-------------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| eClass 4.1 | 27-14-11-17 |
| eClass 5.0 | 27-14-11-26 |
| eClass 5.1 | 27-14-11-26 |

Similar products

| Order No. | Part designation | Version |
|-----------|------------------|---------|
|-----------|------------------|---------|

| | | |
|------------|--------------|---|
| 0687360000 | DKT 4/32 | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32 |
| 1304860000 | DKT 4V 2STB | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32 |
| 0412260000 | SAKR 2STB | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, beige, TS 32 |
| 0412280000 | SAKR 2STB BL | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, blue, TS 32 |
| 0412180000 | SAKR BL | Disconnect and modular disconnect terminal, 4 mm ² , Screw connection, PA 66, blue, TS 32 |