



#### General ordering data

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Order No.        | 0110060000                                                                        |
| Part designation | SAK 10                                                                            |
| Version          | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |
| EAN              | 4008190027056                                                                     |
| Qty.             | 100 pc(s).                                                                        |

#### Product notes

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Note, ordering data  | A higher torque of 2 to 2.4 Nm is necessary when using H07V-R16 and AWG 6 conductors. |
| Note, technical data | When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.               |

#### PT OKIECEx/ATEX rating data

|                                      |                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| EU-type examination certificate      | KEMA97ATEX1798U                                                                              |
| Download, German                     | KEMA97ATEX1798U_d.pdf                                                                        |
| Download English                     | KEMA97ATEX1798U_e.pdf                                                                        |
| IECEx Certificate of Conformity      | IECExKEM06.0014U                                                                             |
| ATEX voltage                         | 550 V                                                                                        |
| ATEX current                         | 50 A                                                                                         |
| ATEX conductor cross-section         | 10 mm <sup>2</sup>                                                                           |
| IECEx voltage                        | 550 V                                                                                        |
| IECEx current                        | 50 A                                                                                         |
| IECEx conductor cross-section        | 10 mm <sup>2</sup>                                                                           |
| Voltage when using cross-connections | CrossConnectionGuide.pdf                                                                     |
| Operating temperature range          | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEx-Certificate of Conformity |
| Marking EN 60079-7                   | Ex e II                                                                                      |
| Marking ATEX Directive 94/9/EC       | Ex II 2 G D                                                                                  |

#### Additional technical data

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

#### Additional technical data

|                                                  |                       |
|--------------------------------------------------|-----------------------|
| No. of levels                                    | 1                     |
| No. of terminal strips per level                 | 2                     |
| Open sides                                       | right                 |
| Operating temperature range                      | - 50 °C, + 100 °C     |
| Type of connection                               | Screwed               |
| Type of mounting                                 | Snap-on               |
| UL 94 flammability rating of insulation material | V2                    |
| Version                                          | Feed-through terminal |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 600 V  |
| CSA current              | 65 A   |
| Min. cross-section (CSA) | AWG 16 |
| Max. cross-section (CSA) | AWG 6  |

#### Conductors for clamping (additional connection)

|                                              |                     |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 1.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 10 mm <sup>2</sup>  |

#### Conductors for clamping (rated connection)

|                                                              |                      |
|--------------------------------------------------------------|----------------------|
| Clamping range, min.                                         | 1.5 mm <sup>2</sup>  |
| Clamping range, max.                                         | 16 mm <sup>2</sup>   |
| Type of connection                                           | Screw connection     |
| 2nd type of connection                                       | screwed              |
| Connection direction                                         | on side              |
| No. of connections                                           | 2                    |
| Stripping length                                             | 12 mm                |
| Clamping screw                                               | M 4                  |
| Blade size                                                   | 1.0 x 5.5 mm         |
| Tightening torque range                                      | 2.0...4.0 Nm         |
| Gauge to IEC 60947-1                                         | B6                   |
| Solid, min.                                                  | 1.5 mm <sup>2</sup>  |
| Solid, max.                                                  | 10 mm <sup>2</sup>   |
| Stranded, min.                                               | 1.5 mm <sup>2</sup>  |
| Stranded, max.                                               | 16 mm <sup>2</sup>   |
| Flexible, min.                                               | 1.5 mm <sup>2</sup>  |
| Flexible, max.                                               | 16 mm <sup>2</sup>   |
| Flexible with ferrule, min. (DIN 46228/1)                    | 1.5 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228/1)                    | 10 mm <sup>2</sup>   |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 1.5 mm <sup>2</sup>  |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 10 mm <sup>2</sup>   |
| Twin wire-end ferrule, min.                                  | 0.75 mm <sup>2</sup> |
| Twin wire end ferrule, max.                                  | 6 mm <sup>2</sup>    |
| AWG conductor size, min.                                     | AWG 14               |
| AWG conductor size, max.                                     | AWG 6                |
| AWG conductor size, max.                                     | 13.3 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 10 mm   |
| Height of lowest version | 51.5 mm |
| Length                   | 40 mm   |
| TS 32 offset             | 20 mm   |

#### Rating data

|                             |                    |
|-----------------------------|--------------------|
| Rated cross-section         | 10 mm <sup>2</sup> |
| Rated voltage               | 800 V              |
| Rated impulse voltage       | 8 kV               |
| Rated current               | 57 A               |
| Standards                   | IEC 60947-7-1      |
| Current with max. conductor | 76 A               |
| Pollution severity          | 3                  |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 600 V  |
| Current (UL)            | 60 A   |
| Min. cross-section (UL) | AWG 14 |
| Max. cross-section (UL) | AWG 6  |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000897    |
| ETIM 3.0   | EC000897    |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

#### Similar products

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



0110080000 SAK 10 BL

Feed-through terminal, 10 mm<sup>2</sup>, Screw connection, PA 66, blue, TS 32