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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### 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 OKIECEEx/ATEX rating data

|                                      |   |
|--------------------------------------|---|
| EU-type examination certificate      | KEMA97ATEX1798U   |
| Download, German                     | KEMA97ATEX1798U_d.pdf   |
| Download English                     | KEMA97ATEX1798U_e.pdf   |
| IECEEx Certificate of Conformity     | IECEXKEM06.0014U  |
| ATEX voltage                         | 550 V   |
| ATEX current                         | 50 A  |
| ATEX conductor cross-section         | 10 mm <sup>2</sup>  |
| IECEEx voltage                       | 550 V   |
| IECEEx current                       | 50 A  |
| IECEEx conductor cross-section       | 10 mm <sup>2</sup>  |
| Voltage when using cross-connections | CrossConnectionGuide.pdf  |
| Operating temperature range          | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-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  
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