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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.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



General ordering data

| | |
|------------------|--|
| Order No. | 0380780000 |
| Part designation | SAK 35/35 BL |
| Version | Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, TS 35 |
| EAN | 4008190021986 |
| Qty. | 20 pc(s). |

Product notes

| | |
|----------------------|---|
| Note, ordering data | It is possible to use twin ferrules with identical rated voltages (LAB 13090). |
| Note, technical data | The tightening torque is 4.5 Nm for 16 - 50 mm ² and AWG 6 - 2/7 stranded conductors. Twin wire end ferrules ZH 2.5 - ZH 16 can be used. |
| Note, accessories | If QIs are aligned side by side, then a TW/AP must be used. |

PT OKIECEEx/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 | 109 A |
| ATEX conductor cross-section | 35 mm ² |
| IECEX voltage | 550 V |
| IECEX current | 109 A |
| IECEX conductor cross-section | 35 mm ² |
| 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 | blue |
| Connection direction | on side |
| End plate required | Yes |
| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 35 |
| Insulating material | PA 66 |
| Levels cross-connected internally | No |
| No. of identical terminals | 1 |
| 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 | Clamped |
| UL 94 flammability rating of insulation material | V2 |

Additional technical data

| | |
|---------|-----------------------|
| Version | Feed-through terminal |
|---------|-----------------------|

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 600 V |
| CSA current | 145 A |
| Min. cross-section (CSA) | AWG 12 |
| Max. cross-section (CSA) | AWG 2 |

Conductors for clamping (additional connection)

| | |
|--|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 2.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 35 mm ² |

Conductors for clamping (rated connection)

| | |
|--|-----------------------|
| Clamping range, min. | 2.5 mm ² |
| Clamping range, max. | 50 mm ² |
| Type of connection | Screw connection |
| 2nd type of connection | screwed |
| Connection direction | on side |
| No. of connections | 2 |
| Stripping length | 18 mm |
| Clamping screw | M 6 |
| Blade size | 6.5 x 1.2 mm |
| Tightening torque range | 4.0...5.0 Nm |
| Gauge to IEC 60947-1 | B8 |
| Solid, min. | 2.5 mm ² |
| Solid, max. | 16 mm ² |
| Stranded, min. | 4 mm ² |
| Stranded, max. | 50 mm ² |
| Flexible, min. | 2.5 mm ² |
| Flexible, max. | 35 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 2.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 35 mm ² |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm ² |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 35 mm ² |
| Twin wire-end ferrule, min. | 1.5 mm ² |
| Twin wire end ferrule, max. | 16 mm ² |
| AWG conductor size, min. | AWG 12 |
| AWG conductor size, max. | AWG 2 |
| AWG conductor size, min. | 3.31 mm ² |
| AWG conductor size, max. | 33.62 mm ² |

Dimensions

| | |
|--------------------------|---------|
| Width | 18 mm |
| Height of lowest version | 60 mm |
| Length | 58 mm |
| Weight | 69.15 g |
| TS 35 offset | 29 mm |

Rating data

| | |
|-----------------------------|--------------------|
| Rated cross-section | 35 mm ² |
| Rated voltage | 1,000 V |
| Rated impulse voltage | 8 kV |
| Rated current | 125 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 150 A |
| Pollution severity | 3 |

Strap connection

| | |
|---------------|------------------|
| Strap 1, max. | 9 layers 9 x 0.8 |
| Strap 1, min. | 3 layers 9 x 0.8 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 105 A |
| Min. cross-section (UL) | AWG 12 |
| Max. cross-section (UL) | AWG 2 |

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 |
|------------|------------------|---|
| 0380760000 | SAK 35/35 | Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 |
| 0582460000 | SAK 35/35/IK | Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 |
| 0608260000 | SAK 35N/35 | Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 |

0608360000 SAK 35N/35/IK

Feed-through terminal, 35 mm², Screw connection, PA 66, beige, TS
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