

Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)
[0582460000](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

General ordering data

| | |
|------------------|---|
| Order No. | 0582460000 |
| Part designation | SAK 35/35/IK |
| Version | Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 |
| EAN | 4008190090692 |
| 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 OKIECEX/ATEX rating data

| | |
|--------------------------------------|--|
| EU-type examination certificate | KEMA97ATEX1798U |
| Download, German | KEMA97ATEX1798U_d.pdf |
| Download English | KEMA97ATEX1798U_e.pdf |
| ATEX voltage | 550 V |
| ATEX current | 109 A |
| ATEX 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 | beige |
| 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 |
| Version | Feed-through terminal |

CSA rating data

| | |
|---------------|-------|
| Voltage (CSA) | 600 V |
|---------------|-------|

CSA rating data

| | |
|--------------------------|--------|
| 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 | S4 (DIN 6911) |
| Tightening torque range | 4.0...6.0 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 | 67.95 g |
| TS 35 offset | 29 mm |

Rating data

| | |
|-----------------------|--------------------|
| Rated cross-section | 35 mm ² |
| Rated voltage | 1,000 V |
| Rated impulse voltage | 8 kV |

Rating data

| | |
|-----------------------------|---------------|
| 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 |
| 0380780000 | SAK 35/35 BL | Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, 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 mm ² , Screw connection, PA 66, beige, TS 35 |