

Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)
[0697180000](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

General ordering data

| | |
|------------------|---|
| Order No. | 0697180000 |
| Part designation | AKZ 2.5 BL |
| Version | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, blue, TS 15 |
| EAN | 4008190167448 |
| Qty. | 100 pc(s). |

Product notes

| | |
|---------------------|---|
| Note, ordering data | AKZ 2.5 order Nos 0697160000 and 0697180000 made from PA with V2 flammability rating to UL 94 |
|---------------------|---|

PT OKIECEEx/ATEX rating data

| | |
|--------------------------------------|---|
| EU-type examination certificate | SIRA02ATEX3001U |
| Download English | SIRA02ATEX3001U_e.pdf |
| IECEEx Certificate of Conformity | IECEXSIR05.0038U |
| Download | IECEXSIR05.0038U_e.pdf |
| ATEX voltage | 176 V |
| ATEX current | 21 A |
| ATEX conductor cross-section | 2.5 mm ² |
| IECEEx voltage | 176 V |
| IECEEx current | 21 A |
| IECEEx conductor cross-section | 2.5 mm ² |
| 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 | blue |
| Connection direction | on side |
| End plate required | Yes |
| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 15 |
| 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 |
| Product family | SAK Series |
| 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) | 300 V |
| CSA current | 10 A |

CSA rating data

| | |
|--------------------------|--------|
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 10 |

Conductors for clamping (additional connection)

| | |
|--|---------------------|
| Type of 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 | 7 mm |
| Clamping screw | M 2.5 |
| Blade size | 3.0 x 0.5 mm |
| Tightening torque range | 0.4...0.6 Nm |
| Torque level with DMS electric screwdriver | 1 |
| 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. | 2.5 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 2.5 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) | 2.5 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 |

Dimensions

| | |
|--------------------------|----------|
| Width | 5.1 mm |
| Height of lowest version | 26.5 mm |
| Length | 25.5 mm |
| Weight | 3.83 g |
| TS 15 offset | 11.25 mm |

Disconnect terminals

| | |
|--|---|
| Torque level with DMS electric screwdriver | 1 |
|--|---|

Rating data

| | |
|-----------------------------|---------------------|
| Rated cross-section | 2.5 mm ² |
| Rated voltage | 250 V |
| Rated impulse voltage | 4 kV |
| Rated current | 24 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 32 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 | EC001283 |
| ETIM 3.0 | EC001283 |
| 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 |
|------------|------------------|--|
| 0340460000 | AKZ 1.5 | Feed-through terminal, 1.5 mm ² , Screw connection, Polyamide, beige, TS 15 |
| 0340480000 | AKZ 1.5 BL | Feed-through terminal, 1.5 mm ² , Screw connection, Polyamide, blue, TS 15 |
| 0697160000 | AKZ 2.5 | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 15 |
| 0294360000 | AKZ 4 | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, beige, TS 15 |
| 0294380000 | AKZ 4 BL | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, blue, TS 15 |