

General ordering data

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| Order No. | 0212880000 |
| Part designation | SAK 6/EN BL |
| Version | Feed-through terminal, 6 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| EAN | 4008190107147 |
| Qty. | 100 pc(s). |

Product notes

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|-------------------|---|
| Note, accessories | When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V. |
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PT OKIECEEx/ATEX rating data

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|--------------------------------------|--|
| EU-type examination certificate | KEMA97ATEX1798U |
| Download, German | KEMA97ATEX1798U_d.pdf |
| Download English | KEMA97ATEX1798U_e.pdf |
| IECEX Certificate of Conformity | IECEXKEM06.0014U |
| ATEX voltage | 690 V |
| ATEX current | 36 A |
| ATEX conductor cross-section | 6 mm ² |
| IECEX voltage | 690 V |
| IECEX current | 36 A |
| IECEX conductor cross-section | 6 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" | No |
| Installation advice | TS 35 + TS 32 |
| Insulating material | PA 66 |
| Levels cross-connected internally | No |
| No. of levels | 1 |
| No. of terminal strips per level | 2 |
| Operating temperature range | - 50 °C, + 100 °C |
| Type of connection | Screwed |
| UL 94 flammability rating of insulation material | V2 |
| Version | Feed-through terminal |

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 600 V |
| CSA current | 47 A |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 6 |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Clamping range, min. | 0.33 mm ² |
| Clamping range, max. | 10 mm ² |
| Type of connection | Screw connection |
| 2nd type of connection | screwed |
| Connection direction | on side |
| Stripping length | 12 mm |
| Clamping screw | M 3.5 |
| Blade size | 4.0 x 0.8 mm |
| Tightening torque range | 0.8...1.6 Nm |
| Torque level with DMS electric screwdriver | 3 |
| Gauge to IEC 60947-1 | A5 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 10 mm ² |
| Stranded, min. | 0.5 mm ² |
| Stranded, max. | 6 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 10 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 6 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) | 6 mm ² |
| Twin wire-end ferrule, min. | 0.5 mm ² |
| Twin wire end ferrule, max. | 4 mm ² |
| AWG conductor size, min. | AWG 22 |
| AWG conductor size, max. | 8.37 mm ² |

Dimensions

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|--------------------------|---------|
| Width | 8 mm |
| Height of lowest version | 47.5 mm |
| Length | 40 mm |

Disconnect terminals

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|--|---|
| Torque level with DMS electric screwdriver | 3 |
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Rating data

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|-----------------------------|-------------------|
| Rated cross-section | 6 mm ² |
| Rated voltage | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 41 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 57 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 40 A |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 8 |

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 |
|------------|-----------------------|--|
| 1907040000 | DK 4 Q/EN | Feed-through terminal, 4 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1907030000 | DK 4 Q/EN BL | Feed-through terminal, 4 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| 1907020000 | DK 4 QV/EN | Feed-through terminal, 4 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1853960000 | SAK 10/EN GR RAL 7042 | Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 1772830000 | SAK 10/EN OR | Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 1773900000 | SAK 10/EN SW | Feed-through terminal, 10 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 0218660000 | SAK 2.5/EN | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 0218680000 | SAK 2.5/EN BL | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| 0467460000 | SAK 4/EN | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, beige, TS 35 + TS 32 |
| 0337660000 | SAK 10/EN | Feed-through terminal, 10 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1784410000 | SAK 10/EN BL | Feed-through terminal, 10 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| 0339760000 | SAK 16/EN | Feed-through terminal, 16 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1784390000 | SAK 16/EN BL | Feed-through terminal, 16 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| 1880870000 | SAK 2.5/EN RT | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, red, TS 35 + TS 32 |
| 1858440000 | SAK 2.5/EN SW | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, black, TS 35 + TS 32 |

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|------------|------------------|--|
| 1858460000 | SAK 2.5/EN WS | Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, white, TS 35 + TS 32 |
| 0467480000 | SAK 4/EN BL | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, blue/light blue, TS 35 + TS 32 |
| 0339860000 | SAK 35/EN | Feed-through terminal, 35 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1784400000 | SAK 35/EN BL | Feed-through terminal, 35 mm ² , Screw connection, PA 66, blue, TS 35 + TS 32 |
| 9130990000 | SAK 4/EN BR | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, brown, TS 35 + TS 32 |
| 9129930000 | SAK 4/EN GE | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, yellow, TS 35 + TS 32 |
| 9129950000 | SAK 4/EN GN | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, green, TS 35 + TS 32 |
| 9129960000 | SAK 4/EN GR | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, grey, TS 35 + TS 32 |
| 1853950000 | SAK 4/EN GR 7042 | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, grey, TS 35 + TS 32 |
| 0467400000 | SAK 4/EN OR | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, Orange, TS 35 + TS 32 |
| 9129920000 | SAK 4/EN RT | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, red, TS 35 + TS 32 |
| 9130980000 | SAK 4/EN SW | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, black, TS 35 + TS 32 |
| 1773340000 | SAK 4/EN WS | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, white, TS 35 + TS 32 |
| 0212860000 | SAK 6/EN | Feed-through terminal, 6 mm ² , Screw connection, PA 66, beige, TS 35 + TS 32 |
| 1772820000 | SAK 6/EN GE | Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 1772810000 | SAK 6/EN OR | Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 0212840000 | SAK 6/EN RT | Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 0212810000 | SAK 6/EN SW | Feed-through terminal, 6 mm ² , Screw connection, PA 66, TS 35 + TS 32 |
| 1773350000 | SAK 6/EN WS | Feed-through terminal, 6 mm ² , Screw connection, PA 66, white, TS 35 + TS 32 |

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