

#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 0380680000   |
| Part designation | SAK 16/35 PA/BL  |
| Version          | Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 |
| EAN              | 4008190079512  |
| Qty.             | 50 pc(s).  |

#### Product notes

|                      |   |
|----------------------|---|
| Note, ordering data  | If QIs are aligned side by side, then a TW/AP must be used. |
| Note, technical data | Twin wire end ferrules ZH 2.5 - ZH 16 can 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                         | 690 V  |
| ATEX current                         | 66 A   |
| ATEX conductor cross-section         | 16 mm <sup>2</sup>   |
| IECEX voltage                        | 690 V  |
| IECEX current                        | 66 A   |
| IECEX conductor cross-section        | 16 mm <sup>2</sup>   |
| 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                 |
| 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                      | - 60 °C, + 130 °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              | 87 A   |
| Min. cross-section (CSA) | AWG 14 |
| Max. cross-section (CSA) | AWG 6  |

#### Conductors for clamping (additional connection)

|  |                    |
|--|--------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 4 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 16 mm <sup>2</sup> |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Clamping range, min.   | 2.5 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                    |
| Clamping screw   | M 4                  |
| Blade size   | 1.0 x 5.5 mm         |
| Tightening torque range                                      | 2.0...4.0 Nm         |
| Torque level with DMS electric screwdriver                   | 4                    |
| Gauge to IEC 60947-1   | B6                   |
| Solid, min.  | 2.5 mm <sup>2</sup>  |
| Solid, max.  | 16 mm <sup>2</sup>   |
| Stranded, min.   | 4 mm <sup>2</sup>    |
| Stranded, max.   | 16 mm <sup>2</sup>   |
| Flexible, min.   | 4 mm <sup>2</sup>    |
| Flexible, max.   | 16 mm <sup>2</sup>   |
| Flexible with ferrule, min. (DIN 46228/1)                    | 4 mm <sup>2</sup>    |
| Flexible with ferrule, max. (DIN 46228/1)                    | 16 mm <sup>2</sup>   |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 4 mm <sup>2</sup>    |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 16 mm <sup>2</sup>   |
| Twin wire-end ferrule, min.                                  | 1.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 10 mm <sup>2</sup>   |
| AWG conductor size, min.                                     | AWG 12               |
| AWG conductor size, max.                                     | AWG 6                |
| AWG conductor size, min.                                     | 3.31 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 16 mm <sup>2</sup>   |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 12 mm   |
| Height of lowest version | 57.5 mm |
| Length                   | 50 mm   |
| TS 35 offset             | 25 mm   |

#### Disconnect terminals

|  |   |
|--|---|
| Torque level with DMS electric screwdriver | 4 |
|--|---|

#### Rating data

|                             |                    |
|-----------------------------|--------------------|
| Rated cross-section         | 16 mm <sup>2</sup> |
| Rated voltage               | 1,000 V            |
| Rated impulse voltage       | 8 kV               |
| Rated current               | 76 A               |
| Standards                   | IEC 60947-7-1      |
| Current with max. conductor | 76 A               |
| Pollution severity          | 3                  |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 600 V  |
| Current (UL)            | 80 A   |
| Min. cross-section (UL) | AWG 12 |
| Max. cross-section (UL) | AWG 4  |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000897    |
| ETIM 3.0   | EC000897    |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

#### Similar products

| Order No.  | Part designation | Version   |
|------------|------------------|---|
| 0380660000 | SAK 16/35 PA     | Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 |