

#### General ordering data

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| Order No.        | 0443680000                                                                         |
| Part designation | SAK 4/35 BL                                                                        |
| Version          | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection,<br>PA 66, blue, TS 35 |
| EAN              | 4008190003869                                                                      |
| Qty.             | 100 pc(s).                                                                         |

#### Product notes

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Note, technical data | With twin ferrules ZH 0.5 to ZH 2.5, rated voltage<br>is 690 V. |
|----------------------|-----------------------------------------------------------------|

#### PT OKIECEx/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                         | 28 A                                                                                                |
| ATEX conductor cross-section         | 4 mm <sup>2</sup>                                                                                   |
| IECEx voltage                        | 550 V                                                                                               |
| IECEx current                        | 28 A                                                                                                |
| IECEx conductor cross-section        | 4 mm <sup>2</sup>                                                                                   |
| Voltage when using cross-connections | CrossConnectionGuide.pdf                                                                            |
| Operating temperature range          | Einsatztemperaturbereich siehe EG-<br>Baumusterprüfbescheinigung/IECEx-Certificate of<br>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                                 | Snap-on               |
| UL 94 flammability rating of insulation material | V2                    |
| Version                                          | Feed-through terminal |

#### CSA rating data

|               |       |
|---------------|-------|
| Voltage (CSA) | 600 V |
| CSA current   | 36 A  |

#### CSA rating data

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

#### Conductors for clamping (additional connection)

|                                              |                     |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 4 mm <sup>2</sup>   |

#### Conductors for clamping (rated connection)

|                                                              |                      |
|--------------------------------------------------------------|----------------------|
| Clamping range, min.                                         | 0.13 mm <sup>2</sup> |
| Clamping range, max.                                         | 6 mm <sup>2</sup>    |
| Type of connection                                           | Screw connection     |
| 2nd type of connection                                       | screwed              |
| Connection direction                                         | on side              |
| No. of connections                                           | 2                    |
| Stripping length                                             | 12 mm                |
| Clamping screw                                               | M 3                  |
| Blade size                                                   | 0.6 x 3.5 mm         |
| Tightening torque range                                      | 0.5...1.0 Nm         |
| Torque level with DMS electric screwdriver                   | 2                    |
| Gauge to IEC 60947-1                                         | A4                   |
| Solid, min.                                                  | 0.5 mm <sup>2</sup>  |
| Solid, max.                                                  | 6 mm <sup>2</sup>    |
| Stranded, min.                                               | 0.5 mm <sup>2</sup>  |
| Stranded, max.                                               | 4 mm <sup>2</sup>    |
| Flexible, min.                                               | 0.5 mm <sup>2</sup>  |
| Flexible, max.                                               | 4 mm <sup>2</sup>    |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228/1)                    | 4 mm <sup>2</sup>    |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm <sup>2</sup>  |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 4 mm <sup>2</sup>    |
| Twin wire-end ferrule, min.                                  | 0.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 2.5 mm <sup>2</sup>  |
| AWG conductor size, min.                                     | AWG 26               |
| AWG conductor size, max.                                     | 5.26 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 6.5 mm  |
| Height of lowest version | 44 mm   |
| Length                   | 45 mm   |
| Weight                   | 11.43 g |
| TS 35 offset             | 25 mm   |

#### Disconnect terminals

|                                            |   |
|--------------------------------------------|---|
| Torque level with DMS electric screwdriver | 2 |
|--------------------------------------------|---|

#### Rating data

|                     |                   |
|---------------------|-------------------|
| Rated cross-section | 4 mm <sup>2</sup> |
| Rated voltage       | 800 V             |

#### Rating data

|                             |               |
|-----------------------------|---------------|
| Rated impulse voltage       | 8 kV          |
| Rated current               | 32 A          |
| Standards                   | IEC 60947-7-1 |
| Current with max. conductor | 41 A          |
| Pollution severity          | 3             |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 600 V  |
| Current (UL)            | 30 A   |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 12 |

#### 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                                                                           |
|------------|------------------|-----------------------------------------------------------------------------------|
| 0530360000 | SAK 4/10/35      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35  |
| 0443660000 | SAK 4/35         | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35  |
| 1323660000 | SAK 4/35 OR      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, Orange, TS 35 |