

#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 0193280000   |
| Part designation | SAK 6N BL  |
| Version          | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection,<br>PA 66, blue, TS 32 |
| EAN              | 4008190020644  |
| Qty.             | 100 pc(s).   |

#### Product notes

|                      |   |
|----------------------|---|
| Note, ordering data  | With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used. |
| Note, technical data | For AWG 8-7 and AWG 8-19, tightening torque is 1.21.4 Nm                                    |
| Note, accessories    | When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.                     |

#### PT OKIECEEx/ATEX rating data

|                                      |  |
|--------------------------------------|--|
| EU-type examination certificate      | KEMA97ATEX1798U  |
| Download, German                     | KEMA97ATEX1798U_d.pdf  |
| Download English                     | KEMA97ATEX1798U_e.pdf  |
| ATEX voltage                         | 550 V  |
| ATEX current                         | 36 A   |
| ATEX conductor cross-section         | 6 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"                  | Yes                   |
| Installation advice                              | TS 32                 |
| 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 rating data

|                          |        |
|--------------------------|--------|
| CSA current              | 47 A   |
| Min. cross-section (CSA) | AWG 20 |
| Max. cross-section (CSA) | AWG 8  |

#### 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) | 6 mm <sup>2</sup>   |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Clamping range, min.   | 0.33 mm <sup>2</sup> |
| Clamping range, max.   | 10 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 3.5                |
| 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 <sup>2</sup>  |
| Solid, max.  | 10 mm <sup>2</sup>   |
| Stranded, min.   | 0.5 mm <sup>2</sup>  |
| Stranded, max.   | 6 mm <sup>2</sup>    |
| Flexible, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max.   | 10 mm <sup>2</sup>   |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228/1)                    | 6 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) | 6 mm <sup>2</sup>    |
| Twin wire-end ferrule, min.                                  | 0.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 4 mm <sup>2</sup>    |
| AWG conductor size, min.                                     | AWG 22               |
| AWG conductor size, max.                                     | 8.37 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 8 mm    |
| Height of lowest version | 51.5 mm |
| Length                   | 40 mm   |
| TS 32 offset             | 20 mm   |

#### Disconnect terminals

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

#### Rating data

|                     |                   |
|---------------------|-------------------|
| Rated cross-section | 6 mm <sup>2</sup> |
| Rated voltage       | 800 V             |

#### Rating data

|                             |               |
|-----------------------------|---------------|
| 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  |
|------------|------------------|--|
| 0193260000 | SAK 6N           | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |