



#### General ordering data

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Order No.        | 0193220000                                                                             |
| Part designation | SAK 6N KRG                                                                             |
| Version          | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, KrG, Medium yellow, TS 32 |
| EAN              | 4008190098285                                                                          |
| 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 | When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.                     |

#### PT OKIECEX/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   | Medium yellow |
| Connection direction            | on side       |
| End plate required              | Yes           |
| Explosion-tested version "Ex e" | Yes           |
| Installation advice             | TS 32         |

#### Additional technical data

|                                                  |                       |
|--------------------------------------------------|-----------------------|
| Insulating material                              | KrG                   |
| 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 | 5VA                   |
| Version                                          | Feed-through terminal |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 600 V  |
| 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               |

#### Conductors for clamping (rated connection)

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  
 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



#### Downloads

STEP 0193220000\_04476\_SAK\_6N\_KRG\_STP.stp

#### 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 |
|-----------|------------------|---------|
|-----------|------------------|---------|