



#### General ordering data

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Order No.        | 0555760000                                                                        |
| Part designation | SAK 35N/IK                                                                        |
| Version          | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |
| EAN              | 4008190143749                                                                     |
| Qty.             | 20 pc(s).                                                                         |

#### Product notes

|                      |                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Note, ordering data  | It is possible to use twin ferrules with identical rated voltages (LAB 13090).                                                                      |
| Note, technical data | The tightening torque is 4.5 Nm for 16 - 50 mm <sup>2</sup> and AWG 6 - 2/7 stranded conductors. Twin wire end ferrules ZH 2.5 - ZH 16 can be used. |
| Note, accessories    | If QIs are aligned side by side, then a TW/AP must be used.                                                                                         |

#### Additional technical data

|                                                  |                       |
|--------------------------------------------------|-----------------------|
| Colour of insulating material                    | beige                 |
| Connection direction                             | on side               |
| End plate required                               | Yes                   |
| Explosion-tested version "Ex e"                  | No                    |
| 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                                 | Clamped               |
| UL 94 flammability rating of insulation material | V2                    |
| Version                                          | Feed-through terminal |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 600 V  |
| CSA current              | 120 A  |
| Min. cross-section (CSA) | AWG 12 |
| Max. cross-section (CSA) | AWG 2  |

#### Conductors for clamping (additional connection)

|                                              |                     |
|----------------------------------------------|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 1.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 35 mm <sup>2</sup>  |

#### Conductors for clamping (rated connection)

|                                                              |                       |
|--------------------------------------------------------------|-----------------------|
| Clamping range, min.                                         | 2.5 mm <sup>2</sup>   |
| Clamping range, max.                                         | 50 mm <sup>2</sup>    |
| Type of connection                                           | Screw connection      |
| 2nd type of connection                                       | screwed               |
| Connection direction                                         | on side               |
| No. of connections                                           | 2                     |
| Stripping length                                             | 18 mm                 |
| Clamping screw                                               | M 6                   |
| Blade size                                                   | S4 (DIN 6911)         |
| Tightening torque range                                      | 4.0...6.0 Nm          |
| Gauge to IEC 60947-1                                         | B8                    |
| Solid, min.                                                  | 2.5 mm <sup>2</sup>   |
| Solid, max.                                                  | 16 mm <sup>2</sup>    |
| Stranded, min.                                               | 4 mm <sup>2</sup>     |
| Stranded, max.                                               | 50 mm <sup>2</sup>    |
| Flexible, min.                                               | 2.5 mm <sup>2</sup>   |
| Flexible, max.                                               | 35 mm <sup>2</sup>    |
| Flexible with ferrule, min. (DIN 46228/1)                    | 1.5 mm <sup>2</sup>   |
| Flexible with ferrule, max. (DIN 46228/1)                    | 35 mm <sup>2</sup>    |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm <sup>2</sup>   |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 35 mm <sup>2</sup>    |
| Twin wire-end ferrule, min.                                  | 1.5 mm <sup>2</sup>   |
| Twin wire-end ferrule, max.                                  | 16 mm <sup>2</sup>    |
| AWG conductor size, min.                                     | AWG 12                |
| AWG conductor size, max.                                     | AWG 2                 |
| AWG conductor size, min.                                     | 3.31 mm <sup>2</sup>  |
| AWG conductor size, max.                                     | 33.62 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 16 mm   |
| Height of lowest version | 67.5 mm |
| Length                   | 58 mm   |
| Weight                   | 59.5 g  |
| TS 32 offset             | 29 mm   |

#### Rating data

|                             |                    |
|-----------------------------|--------------------|
| Rated cross-section         | 35 mm <sup>2</sup> |
| Rated voltage               | 1,000 V            |
| Rated impulse voltage       | 8 kV               |
| Rated current               | 125 A              |
| Standards                   | IEC 60947-7-1      |
| Current with max. conductor | 150 A              |
| Pollution severity          | 3                  |

#### Strap connection

|               |                  |
|---------------|------------------|
| Strap 1, max. | 9 layers 9 x 0.8 |
| Strap 1, min. | 3 layers 9 x 0.8 |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 600 V  |
| Current (UL)            | 105 A  |
| Min. cross-section (UL) | AWG 12 |
| Max. cross-section (UL) | AWG 2  |

#### 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                                                                           |
|------------|------------------|-----------------------------------------------------------------------------------|
| 0303560000 | SAK 35           | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |
| 0303580000 | SAK 35 BL        | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 32  |
| 0476560000 | SAK 35/IK        | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |
| 0550660000 | SAK 35N          | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32 |