



#### General ordering data

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| Order No.        | 0268860000                                                                         |
| Part designation | SAKD 2.5/35                                                                        |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 |
| EAN              | 4008190136284                                                                      |
| Qty.             | 100 pc(s).                                                                         |

#### Product notes

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Note, technical data | With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V. |
|----------------------|--------------------------------------------------------------|

#### 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 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)            | 300 V  |
| CSA current              | 20 A   |
| Min. cross-section (CSA) | AWG 22 |
| Max. cross-section (CSA) | AWG 12 |

#### 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) | 2.5 mm <sup>2</sup> |

#### Conductors for clamping (rated connection)

|                                                              |                      |
|--------------------------------------------------------------|----------------------|
| Clamping range, min.                                         | 0.33 mm <sup>2</sup> |
| Clamping range, max.                                         | 4 mm <sup>2</sup>    |
| Type of connection                                           | Screw connection     |
| 2nd type of connection                                       | screwed              |
| Connection direction                                         | on side              |
| No. of connections                                           | 2                    |
| Stripping length                                             | 10 mm                |
| Clamping screw                                               | M 2.5                |
| Blade size                                                   | 0.6 x 3.5 mm         |
| Tightening torque range                                      | 0.4...0.6 Nm         |
| Torque level with DMS electric screwdriver                   | 1                    |
| Gauge to IEC 60947-1                                         | A2                   |
| Solid, min.                                                  | 0.5 mm <sup>2</sup>  |
| Solid, max.                                                  | 4 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)                    | 2.5 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) | 2.5 mm <sup>2</sup>  |
| Twin wire-end ferrule, min.                                  | 0.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 1 mm <sup>2</sup>    |
| AWG conductor size, min.                                     | AWG 28               |
| AWG conductor size, max.                                     | AWG 12               |
| AWG conductor size, min.                                     | 0.08 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup> |

#### Dimensions

|                          |       |
|--------------------------|-------|
| Width                    | 5 mm  |
| Height of lowest version | 38 mm |
| Length                   | 44 mm |
| TS 35 offset             | 22 mm |

#### Disconnect terminals

|                                            |   |
|--------------------------------------------|---|
| Torque level with DMS electric screwdriver | 1 |
|--------------------------------------------|---|

#### Rating data

|                             |                     |
|-----------------------------|---------------------|
| Rated cross-section         | 2.5 mm <sup>2</sup> |
| Rated voltage               | 500 V               |
| Rated impulse voltage       | 6 kV                |
| Rated current               | 24 A                |
| Standards                   | IEC 60947-7-1       |
| Current with max. conductor | 30 A                |
| Pollution severity          | 3                   |

#### UL rating data

|              |       |
|--------------|-------|
| Voltage (UL) | 300 V |
|--------------|-------|

#### UL rating data

|                         |        |
|-------------------------|--------|
| Current (UL)            | 20 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                                                                             |
|------------|------------------|-------------------------------------------------------------------------------------|
| 0499560000 | SAK 2.5/10/35    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35  |
| 0380460000 | SAK 2.5/35       | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35  |
| 0380480000 | SAK 2.5/35 BL    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35   |
| 0380440000 | SAK 2.5/35 OR    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, Orange, TS 35 |
| 0268880000 | SAKD 2.5/35 BL   | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35   |