

#### General ordering data

|                  |                                                                                            |
|------------------|--------------------------------------------------------------------------------------------|
| Order No.        | 9129920000                                                                                 |
| Part designation | SAK 4/EN RT                                                                                |
| Version          | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, red, TS 35 + TS 32 |
| EAN              | 4008190465483                                                                              |
| Qty.             | 100 pc(s).                                                                                 |

#### Product notes

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

#### PT OKIECEx/ATEX rating data

|                                 |                   |
|---------------------------------|-------------------|
| EU-type examination certificate | KEMA97ATEX1798U   |
| IECEx Certificate of Conformity | IECExKEM06.0014U  |
| ATEX voltage                    | 690 V             |
| ATEX current                    | 28 A              |
| ATEX conductor cross-section    | 4 mm <sup>2</sup> |
| IECEx voltage                   | 690 V             |
| IECEx current                   | 28 A              |
| IECEx conductor cross-section   | 4 mm <sup>2</sup> |
| 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                    | red                   |
| Connection direction                             | on side               |
| End plate required                               | Yes                   |
| Explosion-tested version "Ex e"                  | No                    |
| Installation advice                              | TS 35 + TS 32         |
| Insulating material                              | Polyamide             |
| 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

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

#### Conductors for clamping (additional connection)

|                                    |        |
|------------------------------------|--------|
| Min. conductor cross-section (UL)  | AWG 12 |
| Max. conductor cross-section (UL)  | AWG 22 |
| Min. conductor cross-section (CSA) | AWG 10 |
| Max. conductor cross-section (CSA) | AWG 26 |

#### 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.                                     | AWG 10               |
| AWG conductor size, min.                                     | 0.13 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 5.26 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 6.5 mm  |
| Height of lowest version | 47.5 mm |
| Length                   | 42 mm   |
| Weight                   | 11.73 g |
| TS 32 offset             | 6 mm    |
| TS 35 offset             | 0 mm    |

#### Disconnect terminals

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

#### Rating data

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

|                         |        |
|-------------------------|--------|
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 12 |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| 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                                                                                      |
|------------|-----------------------|----------------------------------------------------------------------------------------------|
| 1907040000 | DK 4 Q/EN             | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32     |
| 1907030000 | DK 4 Q/EN BL          | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32      |
| 1907020000 | DK 4 QV/EN            | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32     |
| 1784410000 | SAK 10/EN BL          | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32     |
| 1772830000 | SAK 10/EN OR          | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32           |
| 1773900000 | SAK 10/EN SW          | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32           |
| 0218660000 | SAK 2.5/EN            | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32   |
| 0218680000 | SAK 2.5/EN BL         | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32    |
| 0467460000 | SAK 4/EN              | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, beige, TS 35 + TS 32 |
| 0337660000 | SAK 10/EN             | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32    |
| 1853960000 | SAK 10/EN GR RAL 7042 | Feed-through terminal, 10 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32           |
| 0339760000 | SAK 16/EN             | Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32    |
| 1784390000 | SAK 16/EN BL          | Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32     |
| 1880870000 | SAK 2.5/EN RT         | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, red, TS 35 + TS 32     |

|            |                  |                                                                                                        |
|------------|------------------|--------------------------------------------------------------------------------------------------------|
| 1858440000 | SAK 2.5/EN SW    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, black, TS 35 + TS 32             |
| 1858460000 | SAK 2.5/EN WS    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, white, TS 35 + TS 32             |
| 0467480000 | SAK 4/EN BL      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, blue/light blue, TS 35 + TS 32 |
| 0339860000 | SAK 35/EN        | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32              |
| 1784400000 | SAK 35/EN BL     | Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32               |
| 9130990000 | SAK 4/EN BR      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, brown, TS 35 + TS 32           |
| 9129930000 | SAK 4/EN GE      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, yellow, TS 35 + TS 32          |
| 9129950000 | SAK 4/EN GN      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, green, TS 35 + TS 32           |
| 9129960000 | SAK 4/EN GR      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, grey, TS 35 + TS 32            |
| 1853950000 | SAK 4/EN GR 7042 | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, grey, TS 35 + TS 32            |
| 0467400000 | SAK 4/EN OR      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, Orange, TS 35 + TS 32          |
| 9130980000 | SAK 4/EN SW      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, black, TS 35 + TS 32           |
| 1773340000 | SAK 4/EN WS      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, white, TS 35 + TS 32           |
| 0212860000 | SAK 6/EN         | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 + TS 32               |
| 0212880000 | SAK 6/EN BL      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35 + TS 32                |
| 1772820000 | SAK 6/EN GE      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32                      |
| 1772810000 | SAK 6/EN OR      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32                      |
| 0212840000 | SAK 6/EN RT      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32                      |
| 0212810000 | SAK 6/EN SW      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, TS 35 + TS 32                      |
| 1773350000 | SAK 6/EN WS      | Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, PA 66, white, TS 35 + TS 32               |