



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 0170020000   |
| Part designation | SAKG 28 I  |
| Version          | Special terminal, special connections, 35 mm <sup>2</sup> ,<br>Screw connection, KrG, Medium yellow, TS 32 |
| EAN              | 4008190152000  |
| Qty.             | 10 pc(s).  |

#### Product notes

|                      |  |
|----------------------|--|
| Note, technical data | Conductor connection with cable lugs according to<br>DIN 46234 and DIN 46235, from 6 .. 50 mm <sup>2</sup> |
|----------------------|--|

#### Additional technical data

|  |                   |
|--|-------------------|
| Colour of insulating material                    | Medium yellow     |
| Connection direction                             | on side           |
| End plate required                               | Yes               |
| Explosion-tested version "Ex e"                  | No                |
| Installation advice                              | TS 32             |
| 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                                       | Open              |
| Operating temperature range                      | - 60 °C, + 130 °C |
| Product family                                   | SAK Series        |
| Type of connection                               | Screwed           |
| Type of mounting                                 | Snap-on           |
| UL 94 flammability rating of insulation material | 5VA               |
| Version  | Stud terminal     |

#### CSA rating data

|                          |       |
|--------------------------|-------|
| Voltage (CSA)            | 600 V |
| CSA current              | 110 A |
| Min. cross-section (CSA) | AWG 6 |
| Max. cross-section (CSA) | AWG 1 |

#### Conductors for clamping (additional connection)

|  |                    |
|--|--------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 6 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.                      | 6 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                        | 1                     |
| Stripping length                          | 15 mm                 |
| Clamping screw                            | M 6                   |
| Tightening torque range                   | 4.0...6.0 Nm          |
| Gauge to IEC 60947-1                      | B9                    |
| Solid, min.                               | 6 mm <sup>2</sup>     |
| Solid, max.                               | 16 mm <sup>2</sup>    |
| Stranded, min.                            | 6 mm <sup>2</sup>     |
| Stranded, max.                            | 50 mm <sup>2</sup>    |
| Flexible, min.                            | 10 mm <sup>2</sup>    |
| Flexible, max.                            | 35 mm <sup>2</sup>    |
| Flexible with ferrule, min. (DIN 46228/1) | 6 mm <sup>2</sup>     |
| Flexible with ferrule, max. (DIN 46228/1) | 35 mm <sup>2</sup>    |
| AWG conductor size, min.                  | AWG 6                 |
| AWG conductor size, max.                  | AWG 1                 |
| AWG conductor size, min.                  | 13.3 mm <sup>2</sup>  |
| AWG conductor size, max.                  | 42.41 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 28 mm   |
| Height of lowest version | 63.5 mm |
| Length                   | 70 mm   |
| Weight                   | 104.9 g |
| TS 32 offset             | 35 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                  |

#### UL rating data

|                         |       |
|-------------------------|-------|
| Voltage (UL)            | 600 V |
| Current (UL)            | 95 A  |
| Min. cross-section (UL) | AWG 6 |
| Max. cross-section (UL) | AWG 2 |

### Approvals

Approvals institutes



### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000897    |
| ETIM 3.0   | EC000897    |
| eClass 4.1 | 27-14-11-31 |
| eClass 5.0 | 27-14-11-31 |
| eClass 5.1 | 27-14-11-31 |

### Similar products

| Order No.  | Part designation | Version   |
|------------|------------------|---|
| 0170320000 | SAKG 28 II       | Special terminal, special connections, 35 mm <sup>2</sup> , Screw connection, KrG, Medium yellow, TS 32 |
| 0185020000 | SAKG 28 II/GW    | Special terminal, special connections, 35 mm <sup>2</sup> , Screw connection, KrG, Medium yellow, TS 32 |
| 0170820000 | SAKG 28 III      | Special terminal, special connections, 35 mm <sup>2</sup> , Screw connection, KrG, Medium yellow, TS 32 |