

**SAKG 46/35 II****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

**General ordering data**

|            |  |
|------------|--|
| Version    | SAK Series, Feed-through terminal, Rated cross-section: 150 mm <sup>2</sup> , Screw connection, medium yellow, Direct mounting |
| Order No.  | <a href="#">0637920000</a>   |
| Type       | SAKG 46/35 II  |
| GTIN (EAN) | 4008190122645  |
| Qty.       | 5 pc(s).   |

Creation date February 28, 2023 12:09:08 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 57 mm   | Depth (inches)  | 2.244 inch |
| Height     | 106 mm  | Height (inches) | 4.173 inch |
| Width      | 46 mm   | Width (inches)  | 1.811 inch |
| Net weight | 363.6 g |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

## Material data

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Material                  | KrG      | Colour | medium yellow |
| UL 94 flammability rating | V-0, 5VA |        |               |

## System specifications

|                                     |               |                               |     |
|-------------------------------------|---------------|-------------------------------|-----|
| Version                             | Stud terminal | End cover plate required      | Yes |
| Number of potentials                | 1             | Number of levels              | 1   |
| Number of clamping points per level | 2             | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No            | PE connection                 | No  |
| Rail                                | TS 35         | N-function                    | No  |
| PE function                         | No            | PEN function                  | No  |

## Additional technical data

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | No      | Installation advice | Direct mounting |
| Number of similar terminals | 1       | Open sides          | Open            |
| Type of mounting            | Snap-on |                     |                 |

## CSA rating data

|                       |           |                               |           |
|-----------------------|-----------|-------------------------------|-----------|
| Certificate No. (CSA) | 12400-199 | Current size C (CSA)          | 365 A     |
| Voltage size C (CSA)  | 600 V     | Wire cross section max. (CSA) | 300 kcmil |

## Conductors for clamping (rated connection)

|   |                     |   |                    |
|---|---------------------|---|--------------------|
| Clamping range, max.                            | 185 mm <sup>2</sup> | Clamping range, min.                            | 10 mm <sup>2</sup> |
| Clamping screw                                  | M 12                | Connection direction                            | on side            |
| Number of connections                           | 2                   | Tightening torque, max.                         | 31 Nm              |
| Tightening torque, min.                         | 14 Nm               | Type of connection                              | Screw connection   |
| Wire connection cross section AWG, max.         | kcmil 300           | Wire connection cross section AWG, min.         | AWG 4/0            |
| Wire connection cross-section, solid core, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min. | 10 mm <sup>2</sup> |

## General

|   |                 |   |           |
|---|-----------------|---|-----------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35     |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | kcmil 300 |
| Wire connection cross section AWG, min. | AWG 4/0         |   |           |

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## Rating data

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 150 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                   | 309 A               | Current at maximum wires                     | 353 A   |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 0.1 mΩ  |
| Rated impulse withstand voltage | 8 kV                | Power loss in accordance with IEC 60947-7-x  | 9.89 W  |
| Pollution severity              | 3                   |  |         |

## UL rating data

|   |          |   |           |
|---|----------|---|-----------|
| Certificate No. (UR)                    | E60693   | Conductor size Factory wiring max. (UR) | 300 kcmil |
| Conductor size Factory wiring min. (UR) | 0000 AWG | Conductor size Field wiring max. (UR)   | 300 kcmil |
| Conductor size Field wiring min. (UR)   | 0000 AWG | Current size C (UR)                     | 285 A     |
| Voltage size C (UR)                     | 600 V    |   |           |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 999cd67e-471e-4085-8dba-1342fcea86de |

## Approvals

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UR)  | E60693     |

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">MARITREG Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">WSCAD</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |