

**SAKG 40 II/GW****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: 95 mm <sup>2</sup> , Threaded stud connection, medium yellow, Direct mounting |
| Order No.  | <a href="#">0185220000</a>  |
| Type       | SAKG 40 II/GW   |
| GTIN (EAN) | 4008190088408   |
| Qty.       | 10 pc(s).   |

Creation date March 1, 2023 10:49:00 AM CET

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

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 53 mm   | Depth (inches)  | 2.087 inch |
| Height     | 90 mm   | Height (inches) | 3.543 inch |
| Width      | 46 mm   | Width (inches)  | 1.811 inch |
| Net weight | 212.6 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 32         | 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)         | 12400-119 | Current size C (CSA)          | 250 A    |
| Voltage size C (CSA)          | 600 V     | Wire cross section max. (CSA) | 0000 AWG |
| Wire cross section min. (CSA) | 00 AWG    |                               |          |

## Conductors for clamping (rated connection)

|   |                    |   |                          |
|---|--------------------|---|--------------------------|
| Clamping range, max.                            | 95 mm <sup>2</sup> | Clamping range, min.                    | 10 mm <sup>2</sup>       |
| Clamping screw                                  | M 10               | Connection direction                    | on side                  |
| Number of connections                           | 1                  | Tightening torque, max.                 | 20 Nm                    |
| Tightening torque, min.                         | 10 Nm              | Type of connection                      | Threaded stud connection |
| Wire connection cross section AWG, max.         | AWG 4/0            | Wire connection cross section AWG, min. | AWG 20                   |
| Wire connection cross-section, solid core, max. | 16 mm <sup>2</sup> |   |                          |

## General

|   |                 |   |         |
|---|-----------------|---|---------|
| Installation advice                     | Direct mounting | Rail                                    | TS 32   |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 4/0 |
| Wire connection cross section AWG, min. | AWG 20          |   |         |

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## Rating data

|                                 |                    |  |         |
|---------------------------------|--------------------|--|---------|
| Rated cross-section             | 95 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                   | 232 A              | Current at maximum wires                     | 232 A   |
| Standards                       | IEC 60947-7-1      | Volume resistance according to IEC 60947-7-x | 0.14 mΩ |
| Rated impulse withstand voltage | 8 kV               | Power loss in accordance with IEC 60947-7-x  | 7.42 W  |
| Pollution severity              | 3                  |  |         |

## 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

## 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="#">CAD data – 01428_SAKG_40_II-GW_DXF.dxf</a>   |
| Engineering Data                            | <a href="#">WSCAD</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |