

**SAKG 40 II/GW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |  |
|------------|--|
| Version    | Feed-through terminal block, Threaded stud connection, medium yellow, 95 mm <sup>2</sup> , 232 A, 1000 V, Number of connections: 1 |
| Order No.  | <a href="#">0185220000</a>   |
| Type       | SAKG 40 II/GW  |
| GTIN (EAN) | 4008 190088408   |
| Qty.       | 10 items   |

## SAKG 40 II/GW

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 53 mm   | Depth (inches)  | 2.0866 inch |
| Height     | 90 mm   | Height (inches) | 3.5433 inch |
| Width      | 46 mm   | Width (inches)  | 1.811 inch  |
| Net weight | 212.6 g |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C         |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 999cd67e-471e-4085-8dba-1342fcea86de |

## Material data

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Basic 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  |
| Mounting rail                       | TS 32         | N-function                    | No  |
| PE function                         | No            | PEN function                  | No  |

## Additional technical data

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

## CSA rating data

|                               |          |                       |           |
|-------------------------------|----------|-----------------------|-----------|
| Wire cross section max. (CSA) | 0000 AWG | Voltage size C (CSA)  | 600 V     |
| Current size C (CSA)          | 250 A    | Certificate No. (CSA) | 12400-119 |
| Wire cross section min. (CSA) | 00 AWG   |                       |           |

## Conductors for clamping (additional connection)

Connection type, additional connection Threaded stud connection

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## Technical data

### Conductors for clamping (rated connection)

|   |                    |   |                          |
|---|--------------------|---|--------------------------|
| Wire connection cross section AWG, max.   | AWG 4/0            | Connection direction  | on side                  |
| Tightening torque, max.   | 20 Nm              | Tightening torque, min.   | 10 Nm                    |
| Stripping length  | 22 mm              | Type of connection  | Threaded stud connection |
| Number of connections   | 1                  | Clamping range, max.  | 95 mm <sup>2</sup>       |
| Clamping range, min.  | 10 mm <sup>2</sup> | Clamping screw  | M 10                     |
| Wire connection cross section AWG, min.   | AWG 20             | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 10 mm <sup>2</sup>       |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 10 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 95 mm <sup>2</sup>       |
| Wire connection cross section, finely stranded, min.                                    | 10 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 95 mm <sup>2</sup>       |
| Connection cross-section, stranded, min.  | 10 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 16 mm <sup>2</sup>       |
| Wire connection cross-section, solid core, min.   | 10 mm <sup>2</sup> | Connection cross-section, finely stranded, min.   | 10 mm <sup>2</sup>       |

### General

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

### Rating data

|  |                    |                                 |               |
|--|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 95 mm <sup>2</sup> | Rated voltage                   | 1000 V        |
| Rated DC voltage                             | 1000 V             | Nominal 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 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |