Data sheet

# SAKG 46 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, 150 mm², 309 A, 1000 V, Number of connections: 2 |
| Order No. | 0185320000 |
| Type | SAKG 46 II/GW |
| GTIN (EAN) | 4008190125257 |
| Qty. | 5 items |
| Delivery status | This article will no longer be available in the future. |
| Last order date | 2027-04-30T00:00:00+02:00 |
| Alternative product | WFF 185 |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals |  |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 57 mm | Depth (inches) | 2.2441 inch |
| Height | 106 mm | Height (inches) | 4.1732 inch |
| Width | 46 mm | Width (inches) | 1.811 inch |
| Net weight | 326 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) | 300 kcmil | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 365 A | Certificate No. (CSA) | 12400-199 |

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | Threaded stud connection |

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## Technical data

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Cable lug to DIN 46234 | 10...185 mm² | Cable lug to DIN 46235 | 25 - 150 mm² |
| Wire connection cross section AWG, max. | AWG 350 MCM | Connection direction | on side |
| Tightening torque, max. | 31 Nm | Tightening torque, min. | 14 Nm |
| Stripping length | 28 mm | Type of connection | Threaded stud connection |
| Number of connections | 2 | Clamping range, max. | 185 mm² |
| Clamping range, min. | 10 mm² | Clamping screw | M 12 |
| Wire connection cross section AWG, min. | AWG 8 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 10 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 10 mm² | Wire connection cross-section, finely stranded, max. | 185 mm² |
| Wire connection cross section, finely stranded, min. | 10 mm² | Connection cross-section, stranded, max. | 185 mm² |
| Connection cross-section, stranded, min. | 10 mm² | Wire connection cross-section, solid core, max. | 185 mm² |
| Wire connection cross-section, solid core, min. | 10 mm² | Connection cross-section, finely stranded (rated connection), min. | 10 mm² |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 350 MCM | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 8 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 32 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 150 mm² | Rated voltage | 1000 V |
| Rated DC voltage | 1000 V | Nominal current | 309 A |
| Current at maximum wires | 353 A | Standards | IEC 60947-7-1 |
| Volume resistance | 0.1 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 9.89 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 | | |