

SAKG 46 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 ² , Threaded stud connection, medium yellow, Direct mounting |
| Order No. | 0170620000 |
| Type | SAKG 46 II |
| GTIN (EAN) | 4008190170592 |
| Qty. | 5 pc(s). |

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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 | 349.6 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) | 12400-199 | Current size C (CSA) | 365 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 300 kcmil |

Conductors for clamping (rated connection)

| | | | |
|-------------------------|--------------------------|-------------------------|--------------------------|
| Cable lug to DIN 46234 | 10...185 mm ² | Cable lug to DIN 46235 | 25 - 150 mm ² |
| Clamping range, max. | 185 mm ² | Clamping range, min. | 10 mm ² |
| 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 | Threaded stud connection |

General

| | | | |
|---------------------|-----------------|------|-------|
| Installation advice | Direct mounting | Rail | TS 32 |
| Standards | IEC 60947-7-1 | | |

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Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 150 mm ² | 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 |
| Certificate No. (cURusEX) | E184763 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate MARITREG Certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – 01123_SAKG_46_II_DXF.dxf CAD data – STEP |
| Engineering Data | WSCAD |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

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