

**SAK Series
EK 2.5/35**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

| | |
|------------|---|
| Type | EK 2.5/35 |
| Order No. | 0661060000 |
| Version | SAK Series, PE terminal, Rated cross-section: 2.5 mm ² , Screw connection, green / yellow, Direct mounting |
| GTIN (EAN) | 4008190135287 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|---------|----------------|------------|
| Depth | 40 mm | Depth (inches) | 1.575 inch |
| Net weight | 18.96 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

| | | | |
|---------------------------|-------|--------|---------------|
| Material | PA 66 | Colour | Yellow, Green |
| UL 94 flammability rating | V-2 | | |

System specifications

| | | | |
|--|--|------------------------------------|--------------|
| Version | Screw connection, With PE connection, closed | Tightening torque (mounting screw) | 0.4...0.6 Nm |
| Tightening torque (clamping screw for copper conductors) | 0.4...0.6 Nm | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| No. of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | Yes |
| Mounting rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | closed |
| Type of mounting | Screwed | | |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-127 | Current size C (CSA) | 25 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.33 mm ² | Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 | Stripping length | 10 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.4 Nm |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section AWG, min. | AWG 22 | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded, min. | 0.5 mm ² | Wire connection cross-section, solid core, max. | 6 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

PE rating data

| | | | |
|--|----------------------------|------------------------------|-------|
| Rated short-time current | 480 A (4 mm ²) | Centre screw on PE terminals | M 2.5 |
| Tightening torque range for fixing screw | 0.4...0.6 Nm | PEN function | No |

Rating data

| | | | |
|--|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000901 | ETIM 4.0 | EC000491 |
| ETIM 5.0 | EC000491 | ETIM 6.0 | EC000901 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-03-05 |
| eClass 6.2 | 27-14-03-05 | eClass 7.1 | 27-14-03-05 |
| eClass 8.1 | 27-14-11-41 | eClass 9.0 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-41 | | |

Approvals

Approvals



ROHS

Conform

Data sheet**SAK Series
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Technical data**Downloads**

| | |
|---|--|
| Approval/Certificate/Document of Conformity | DE_PT1302_20160418_173_ISSUE01.pdf |
| Engineering Data | EPLAN_WSCAD |
| Engineering Data | 0661060000_07305_EK_2.5-35_STP.stp |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|