

**SAK Series
EK 6/35**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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**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 6/35 |
| Order No. | 0661260000 |
| Version | SAK Series, PE terminal, Rated cross-section: 6 mm ² , Screw connection, green / yellow |
| GTIN (EAN) | 4008190096588 |
| Qty. | 100 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 8 mm | Width (inches) | 0.315 inch |
| Height | 56.5 mm | Height (inches) | 2.224 inch |
| Depth | 44 mm | Depth (inches) | 1.732 inch |
| Net weight | 24.43 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 | 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 | No | Number of similar terminals | 1 |
| Open sides | closed | Type of mounting | Screwed |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|-------|
| Certificate No. (CSA) | 12400-234 | Wire cross section max. (CSA) | 8 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. | 6 mm ² |
|---|-------------------|

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

| | | | |
|---|---------------------|---|---------------------|
| Blade size | 4.0 x 0.8 mm | Clamping range, rated connection, max. | 10 mm ² |
| Clamping range, rated connection, min. | 0.5 mm ² | Clamping screw | M 3.5 |
| Connection direction | on side | Gauge to IEC 60947-1 | A5 |
| Number of connections | 2 | Stripping length | 12 mm |
| Tightening torque, max. | 1.6 Nm | Tightening torque, min. | 1.2 Nm |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 20 | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 6 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 10 mm ² |
| Wire connection cross section, solid core max. rated connection | 10 mm ² | Wire connection cross section, solid core, min. rated connection | 0.5 mm ² |
| Wire connection cross section, stranded, rated connection, max. | 6 mm ² | Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded, min. | 0.5 mm ² | | |

PE rating data

| | | | |
|--|----------------------------|------------------------------|-----|
| Rated short-time current | 720 A (6 mm ²) | Centre screw on PE terminals | M 3 |
| Tightening torque range for fixing screw | 0.5...1.0 Nm | PEN function | No |

Rating data

| | | | |
|--|-------------------|--|---------|
| Rated cross-section | 6 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.78 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) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 8 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 | | |

Product information

| | |
|---------------------------------|--|
| Descriptive text technical data | Tightening torque for AWG 8-7 and AWG 8-19 is 1.2 - 1.4 Nm |
|---------------------------------|--|

Data sheet**SAK Series**
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Approvals



ROHS

Conform

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Conformity[DE_PT1302_20160418_179_ISSUE01.pdf](#)

Engineering Data

[EPLAN_WSCAD](#)

Engineering Data

[0661260000_07482_EK_6-35_STP.stp](#)**Safety note**

Safety notice

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