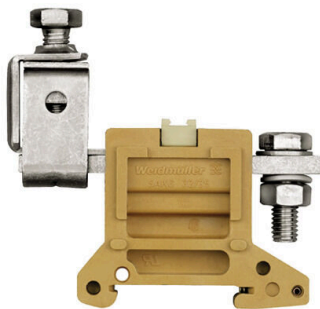


**Product image**

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, Screw connection, medium yellow, 50 mm <sup>2</sup> , 150 A, 1000 V, Number of connections: 1 |
| Order No.  | <a href="#">0637120000</a>   |
| Type       | SAKG 32/35 I   |
| GTIN (EAN) | 4008190111496  |
| Qty.       | 10 items   |

## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 84.5 mm | Depth (inches)  | 3.3268 inch |
| Height     | 87 mm   | Height (inches) | 3.4252 inch |
| Width      | 32 mm   | Width (inches)  | 1.2598 inch |
| Net weight | 210.1 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 / ZB | 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 35              | N-function                    | No  |
| PE function                         | No                 | PEN function                  | No  |

### Additional technical data

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

### CSA rating data

|                               |        |                       |           |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 00 AWG | Voltage size C (CSA)  | 600 V     |
| Current size C (CSA)          | 170 A  | Certificate No. (CSA) | 12400-199 |
| Wire cross section min. (CSA) | 1 AWG  |                       |           |

## SAKG 32/35 I

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

### Conductors for clamping (additional connection)

|   |                    |  |                  |
|---|--------------------|--|------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 35 mm <sup>2</sup> | Connection type, additional connection | Screw connection |
|---|--------------------|--|------------------|

### Conductors for clamping (rated connection)

|   |                       |   |                    |
|---|-----------------------|---|--------------------|
| Gauge to IEC 60947-1  | B11                   | Wire connection cross section AWG, max.   | AWG 2/0            |
| Connection direction  | on side               | Tightening torque, max.   | 12 Nm              |
| Tightening torque, min.   | 6 Nm                  | Stripping length  | 26 mm              |
| Type of connection  | Screw connection      | Number of connections   | 1                  |
| Clamping range, max.  | 70 mm <sup>2</sup>    | Clamping range, min.  | 10 mm <sup>2</sup> |
| Clamping range, bolted connection , max.  | 70.00 mm <sup>2</sup> | Clamping range, bolted connection , min.  | 10 mm <sup>2</sup> |
| Clamping screw  | M 8                   | Wire connection cross section AWG, min.   | AWG 3              |
| 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, max. | 70 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.                                    | 70 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 10 mm <sup>2</sup>    | Connection cross-section, stranded, max.  | 70 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 2/0       | Wire connection cross section AWG, min. | AWG 3 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35 |

### Rating data

|  |                    |                                 |               |
|--|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 50 mm <sup>2</sup> | Rated voltage                   | 1000 V        |
| Rated DC voltage                             | 1000 V             | Nominal current                 | 150 A         |
| Current at maximum wires                     | 192 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.21 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 4.80 W             | Pollution severity              | 3             |

### UL rating data

|   |         |   |       |
|---|---------|---|-------|
| Conductor size Factory wiring max. (UR) | 000 AWG | Current size C (UR)                     | 165 A |
| Voltage size C (UR)                     | 600 V   | Conductor size Factory wiring min. (UR) | 6 AWG |
| Certificate No. (UR)                    | E60693  | Conductor size Field wiring min. (UR)   | 6 AWG |
| Conductor size Field wiring max. (UR)   | 000 AWG |   |       |

### 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 |             |             |