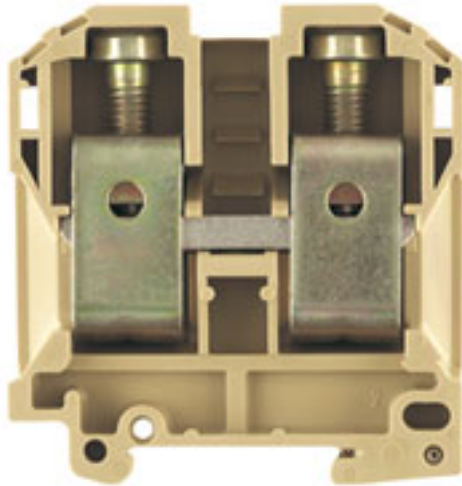


**SAK Series**  
**SAK 70/35****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm<sup>2</sup> to 240 mm<sup>2</sup>.

**General ordering data**

|            |                            |
|------------|----------------------------|
| Type       | SAK 70/35                  |
| Order No.  | <a href="#">0139160000</a> |
| GTIN (EAN) | 4008190088552              |
| Qty.       | 10 pc(s).                  |

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## Technische Daten

### Dimensions and weights

|            |         |                          |       |
|------------|---------|--------------------------|-------|
| Length     | 75 mm   | Width                    | 22 mm |
| Height     | 87 mm   | Height of lowest version | 87 mm |
| Net weight | 157.1 g |                          |       |

### Temperatures

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

### Additional technical data

|                          |   |                             |         |
|--------------------------|---|-----------------------------|---------|
| Explosion-tested version | No  | Number of similar terminals | 1       |
| Open sides               | right   | Type of mounting            | Clamped |
| Version                  | Screw connection, for screwable cross-connection, One end without connector |                             |         |

### CSA ratings data

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-136 | Voltage size C (CSA)          | 600 V  |
| Current size C (CSA)          | 150 A     | Wire cross section max. (CSA) | 00 AWG |
| Wire cross section min. (CSA) | 4 AWG     |                               |        |

### Clampable wires (additional connection)

|   |                    |   |                    |
|---|--------------------|---|--------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 16 mm <sup>2</sup> | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 35 mm <sup>2</sup> |
|---|--------------------|---|--------------------|

### Clampable wires (rated connection)

|   |                    |   |                    |
|---|--------------------|---|--------------------|
| Type of connection  | Screw connection   | Stripping length  | 24 mm              |
| Blade size  | S6 (DIN 6911)      | Connection direction  | on side            |
| Number of connections   | 2                  | Clamping range, rated connection, min.  | 16 mm <sup>2</sup> |
| Clamping range, rated connection, max.  | 70 mm <sup>2</sup> | Clamping screw  | M 8                |
| Tightening torque, min.   | 6 Nm               | Tightening torque, max.   | 12 Nm              |
| Gauge to IEC 60947-1  | B11                | Wire connection cross section, solid core, max. rated connection  | 16 mm <sup>2</sup> |
| Wire connection cross section, solid core max. rated connection   | 16 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, min.   | 16 mm <sup>2</sup> |
| Wire connection cross section, stranded, rated connection, max.   | 70 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.  | 70 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded, min.  | 16 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 16 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 35 mm <sup>2</sup> | Wire connection cross section AWG, min.   | AWG 4              |
| Wire connection cross section AWG, max.   | AWG 2/0            |   |                    |

### Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 19.5 mm |
|--------------|---------|

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## Technische Daten

### Rated data

|                                 |                    |               |               |
|---------------------------------|--------------------|---------------|---------------|
| Rated cross-section             | 70 mm <sup>2</sup> | Rated voltage | 1,000 V       |
| Rated impulse withstand voltage | 8 kV               | Rated current | 192 A         |
| Current at maximum wires        | 192 A              | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                  |               |               |

### Strap connection

|                             |             |                             |            |
|-----------------------------|-------------|-----------------------------|------------|
| Band 1, No. of layers, min. | 3: 9 x 0.8  | Band 1, No. of layers, max. | 6: 9 x 0.8 |
| Band 2, No. of layers, min. | 6: 13 x 0.5 |                             |            |

### UL ratings data

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 600 V  |
| Current size C (UR)                     | 150 A  | Conductor size Factory wiring max. (UR) | 00 AWG |
| Conductor size Factory wiring min. (UR) | 4 AWG  | Conductor size Field wiring max. (UR)   | 00 AWG |

### Material data

|                     |       |                           |       |
|---------------------|-------|---------------------------|-------|
| Insulating material | PA 66 | Material                  | PA 66 |
| Colour              | Beige | UL 94 flammability rating | V-2   |

### System specifications

|                                   |            |                                  |                  |
|-----------------------------------|------------|----------------------------------|------------------|
| Product family                    | SAK Series | Type of connection               | Screw connection |
| Connection direction              | on side    | Number of levels                 | 1                |
| Number of connections             | 2          | No. of clamping points per level | 2                |
| Levels cross-connected internally | No         | Mounting rail                    | TS 35            |
| End cover plate required          | Yes        |                                  |                  |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | UNSPSC     | 30-21-18-11 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

### Product information

|                                 |  |
|---------------------------------|--|
| Descriptive text technical data | Tightening torque for 70 mm <sup>2</sup> stranded = 12 Nm. |
|---------------------------------|--|

### Approvals

Approvals



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