

## SAKDU 10 RE

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, Screw connection, 10 mm <sup>2</sup> , 800 V, 57 A, red |
| Order No.     | <a href="#">1371790000</a>   |
| Type          | SAKDU 10 RE  |
| GTIN (EAN)    | 4050118173338  |
| Qty.          | 100 Stück  |
| Local product | Only available in certain countries  |

Erstellungs-Datum July 27, 2024 10:10:58 AM CEST

Katalogstand 13.07.2024 / Technische Änderungen vorbehalten

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## Technische Daten

### General ordering data

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### Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 46.35 mm   | Depth (inches) | 1.825 inch |
| Depth including DIN rail | 47 mm      | Height         | 45 mm      |
| Height (inches)          | 1.772 inch | Width          | 9.9 mm     |
| Width (inches)           | 0.39 inch  | Net weight     | 16.2 g     |

### Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

### Material data

|                           |         |        |     |
|---------------------------|---------|--------|-----|
| Material                  | PA 66/6 | Colour | red |
| UL 94 flammability rating | V-0     |        |     |

### System specifications

|                                     |     |                               |       |
|-------------------------------------|-----|-------------------------------|-------|
| End cover plate required            | Yes | Number of levels              | 1     |
| Number of clamping points per level | 2   | Number of potentials per tier | 1     |
| PE connection                       | No  | Rail                          | TS 35 |

### Additional technical data

|                          |    |                  |         |
|--------------------------|----|------------------|---------|
| Explosion-tested version | No | Type of mounting | Snap-on |
|--------------------------|----|------------------|---------|

### Conductors for clamping (additional connection)

|  |                  |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

### Conductors for clamping (rated connection)

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Clamping range, max.  | 10 mm <sup>2</sup>  | Clamping range, min.  | 1.5 mm <sup>2</sup> |
| Clamping screw  | M 4                 | Connection cross-section, stranded, max.  | 10 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> | Connection direction  | on side             |
| Gauge to IEC 60947-1  | B6                  | 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 6               | Wire connection cross section AWG, min.   | AWG 16              |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.   | 1.5 mm <sup>2</sup> |

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## Technische Daten

### General

|   |        |   |       |
|---|--------|---|-------|
| Rail                                    | TS 35  | Wire connection cross section AWG, max. | AWG 6 |
| Wire connection cross section AWG, min. | AWG 16 |   |       |

### Rating data

|                                 |                    |  |         |
|---------------------------------|--------------------|--|---------|
| Rated cross-section             | 10 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated DC voltage                | 800 V              | Rated current                                | 57 A    |
| Current at maximum wires        | 57 A               | Volume resistance according to IEC 60947-7-x | 0.56 mΩ |
| Rated impulse withstand voltage | 8 kV               | Power loss in accordance with IEC 60947-7-x  | 1.82 W  |
| Pollution severity              | 3                  | Surge voltage category                       | III     |

### UL rating data

|   |        |   |       |
|---|--------|---|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 6 AWG |
| Conductor size Factory wiring min. (UR) | 16 AWG | Conductor size Field wiring max. (UR)   | 6 AWG |
| Conductor size Field wiring min. (UR)   | 16 AWG | Current size B (UR)                     | 59 A  |
| Current size C (UR)                     | 59 A   | Voltage size B (UR)                     | 600 V |
| Voltage size C (UR)                     | 600 V  |   |       |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-01-01 |

### Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| REACH SVHC             | /                           |
| RoHS Compliance Status | Compliant without exemption |

### Approvals

|                       |   |
|-----------------------|---|
| Approvals             |  |
| ROHS                  | Conform   |
| UL File Number Search | UL Website  |
| Certificate No. (UR)  | E60693  |

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |