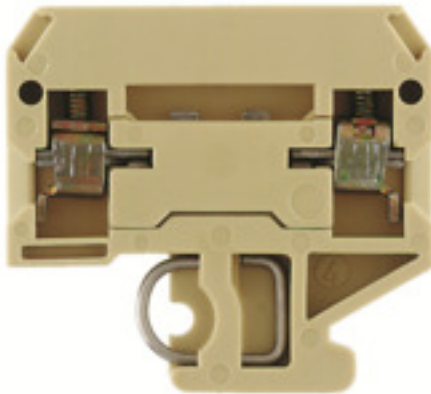


**SAKRD O.DLS2****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

**General ordering data**

|            |                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------|
| Version    | SAK Series, Test-disconnect terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, beige, Direct mounting |
| Order No.  | <a href="#">0412960000</a>                                                                                              |
| Type       | SAKRD O.DLS2                                                                                                            |
| GTIN (EAN) | 4008190082727                                                                                                           |
| Qty.       | 50 pc(s).                                                                                                               |

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Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 40.5 mm | Depth (inches)  | 1.594 inch |
| Height     | 42 mm   | Height (inches) | 1.654 inch |
| Width      | 6.5 mm  | Width (inches)  | 0.256 inch |
| Net weight | 9.28 g  |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 100 °C         |                                  |        |

**Material data**

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Material                  | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2   |        |                |

**System specifications**

|                                     |                                             |                               |     |
|-------------------------------------|---------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, One end without connector | 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  |
| Rail                                | TS 32                                       | N-function                    | No  |
| PE function                         | No                                          | PEN function                  | No  |

**Additional technical data**

|                     |                 |                             |         |
|---------------------|-----------------|-----------------------------|---------|
| Installation advice | Direct mounting | Number of similar terminals | 1       |
| Open sides          | right           | Type of mounting            | Snap-on |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-132 | Current size C (CSA)          | 10 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 22 AWG    |                               |        |

## SAKRD 0.DLS2

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 8 mm                |
| Tightening torque, max.                                                                 | 1 Nm                 | Tightening torque, min.                                                                 | 0.5 Nm              |
| Torque level with DMS electric screwdriver                                              | 2                    | Twin wire-end ferrules, max.                                                            | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

## Disconnect terminals

|                  |           |                      |    |
|------------------|-----------|----------------------|----|
| Cross-disconnect | without   | Integral test socket | No |
| Slitting         | pluggable |                      |    |

## General

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 32  |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26          |                                         |        |

## Rating data

|                                 |                   |                                              |        |
|---------------------------------|-------------------|----------------------------------------------|--------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage                                | 250 V  |
| Rated current                   | 10 A              | Current at maximum wires                     | 10 A   |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 1 mΩ   |
| Rated impulse withstand voltage | 6 kV              | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| 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 | Current size D (UR)                     | 10 A   |
| Voltage size D (UR)                     | 300 V  |                                         |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0    | EC000902    |
| ETIM 8.0    | EC000902    | ECLASS 9.0  | 27-14-11-26 |
| ECLASS 9.1  | 27-14-11-26 | ECLASS 10.0 | 27-14-11-26 |
| ECLASS 11.0 | 27-14-11-26 | ECLASS 12.0 | 27-14-11-26 |

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Approvals



ROHS Conform

UL File Number Search UL Website

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