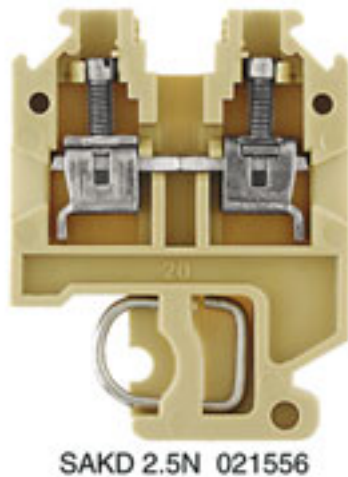


**SAKD 2.5N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****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**

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| Version    | SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection, beige, Direct mounting |
| Order No.  | <a href="#">0215560000</a>                                                                                             |
| Type       | SAKD 2.5N                                                                                                              |
| GTIN (EAN) | 4008190163433                                                                                                          |
| Qty.       | 100 pc(s).                                                                                                             |

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

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 43.5 mm    | Depth (inches)  | 1.713 inch |
| Height         | 32.5 mm    | Height (inches) | 1.28 inch  |
| Net weight     | 6.26 g     | Width           | 5 mm       |
| Width (inches) | 0.197 inch |                 |            |

**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,<br>for screwable cross-<br>connection, One end<br>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**

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

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-115 | Current size C (CSA)          | 20 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 22 AWG    |                               |        |

**Conductors for clamping (additional connection)**

|                                                                                                   |                     |
|---------------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus<br>plastic collar DIN 46228/1, further<br>connection, max. | 2.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------------|---------------------|

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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.                                                                    | 0.08 mm <sup>2</sup> | Clamping screw                                                                          | M 2.5               |
| Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A2                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                              | 1                    | Twin wire-end ferrules, max.                                                            | 1 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 28              |
| Wire connection cross section, finely stranded, max.                                    | 4 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, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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>  |                                                                                         |                     |

## 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 28          |                                         |        |

## Rating data

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | Rated cross-section             | 2.5 mm <sup>2</sup> |
| Rated voltage                                | 500 V   | Rated current                   | 24 A                |
| Current at maximum wires                     | 30 A    | Standards                       | IEC 60947-7-1       |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 kV                |
| Pollution severity                           | 3       |                                 |                     |

## UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 28 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 28 AWG | Current size C (UR)                     | 20 A   |
| Voltage size C (UR)                     | 300 V  |                                         |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | 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 |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search E60693

## Downloads

Approval/Certificate/Document of  
Conformity

[EAC certificate](#)  
[DNVGL certificate](#)  
[Lloyds Register Certificate](#)  
[MARITREG Certificate](#)  
[Declaration of Conformity](#)  
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Engineering Data [STEP](#)Engineering Data [EPLAN, WSCAD](#)User Documentation [StorageConditionsTerminalBlocks](#)