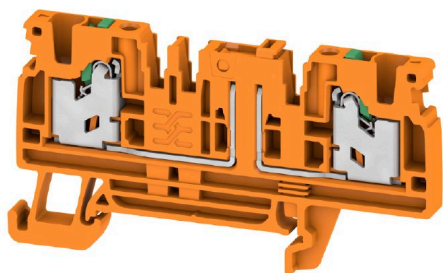


**SDT 2.5 2C OR****Weidmüller Interface GmbH & Co. KG**

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    | Test-disconnect terminal, SNAP IN, orange, 2.5 mm <sup>2</sup> , 20 A, 500 V, Number of connections: 2, Number of levels: 1 |
| Order No.  | <a href="#">2974120000</a>                                                                                                  |
| Type       | SDT 2.5 2C OR                                                                                                               |
| GTIN (EAN) | 4099986801493                                                                                                               |
| Qty.       | 50 items                                                                                                                    |

## Technical data

## Approvals

Approvals

UL File Number Search [UL Website](#)

Certificate No. (cULus) E60693

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 37.65 mm | Depth (inches)  | 1.4823 inch |
| Height     | 77.5 mm  | Height (inches) | 3.0512 inch |
| Width      | 5.1 mm   | Width (inches)  | 0.2008 inch |
| Net weight | 10.71 g  |                 |             |

## Temperatures

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Material data

|                                |        |                           |        |
|--------------------------------|--------|---------------------------|--------|
| Basic material                 | Wemid  | Colour                    | orange |
| Colour of operational elements | orange | UL 94 flammability rating | V-0    |

## Rating data IECEx/ATEX

|                                |                     |                         |                  |
|--------------------------------|---------------------|-------------------------|------------------|
| Certificate No. (ATEX)         | TUEV24ATEX9191U     | Certificate No. (IECEX) | IECEXTUR24.0071U |
| Max. voltage (ATEX)            | 550 V               | Current (ATEX)          | 19 A             |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)    | 550 V            |
| Current (IECEX)                | 19 A                |                         |                  |

## System specifications

|                               |     |                                     |       |
|-------------------------------|-----|-------------------------------------|-------|
| 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               | right | Snap-on          | Yes   |
| Explosion-tested version | No    | Type of mounting | TS 35 |

## Conductors for clamping (rated connection)

|                      |     |                                         |        |
|----------------------|-----|-----------------------------------------|--------|
| Gauge to IEC 60947-1 | A3  | Wire connection cross section AWG, max. | AWG 14 |
| Connection direction | top | Stripping length                        | 10 mm  |

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## Technical data

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Type of connection 2                                                                    | SNAP IN              | Type of connection                                                                      | SNAP IN             |
| Number of connections                                                                   | 2                    | Clamping range, max.                                                                    | 2.5 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 0.34 mm <sup>2</sup> | Blade size                                                                              | 0.6 x 3.5 mm        |
| Wire connection cross section AWG, min.                                                 | AWG 22               | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.34 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. | 0.34 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded, min.                                    | 0.34 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 0.34 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 0.34 mm <sup>2</sup> | Connection cross-section, finely stranded, max.                                         | 2.5 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.                                         | 0.34 mm <sup>2</sup> |                                                                                         |                     |

## General

|                                         |                  |                                         |        |
|-----------------------------------------|------------------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 14           | Wire connection cross section AWG, min. | AWG 22 |
| Standards                               | DIN EN 60947-7-1 | Mounting rail                           | TS 35  |

## Rating data

|                                              |                     |                                 |                  |
|----------------------------------------------|---------------------|---------------------------------|------------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 500 V            |
| Rated DC voltage                             | 500 V               | Nominal current                 | 20 A             |
| Current at maximum wires                     | 20 A                | Standards                       | DIN EN 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 6 kV             |
| Power loss in accordance with IEC 60947-7-x  | 0.77 mW             | Surge voltage category          | III              |
| Pollution severity                           | 3                   |                                 |                  |

## UL rating data

|                                 |        |                         |        |
|---------------------------------|--------|-------------------------|--------|
| Voltage size B (cURus)          | 300 V  | Voltage size D (cURus)  | 600 V  |
| Wire cross section max. (cURus) | 12 AWG | Certificate No. (cURus) | E60693 |
| Wire cross section min. (cURus) | 22 AWG | Current size B (cURus)  | 20 A   |
| Voltage size C (cURus)          | 300 V  | Current size C (cURus)  | 20 A   |
| Current size D (cURus)          | 5 A    |                         |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000902    | ETIM 9.0    | EC000902    |
| ETIM 10.0   | EC000902    | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 |             |             |

