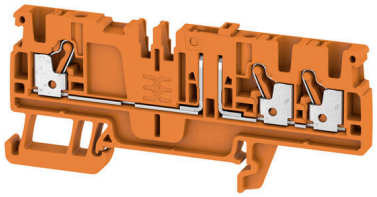
Data sheet

# ADT 2.5 3C OR

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



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, PUSH IN, 2.5 mm², 500 V, 20 A, orange |
| Order No. | 1989850000 |
| Type | ADT 2.5 3C OR |
| GTIN (EAN) | 4050118374384 |
| Qty. | 50 items |



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# Data sheet

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 37.65 mm | Depth (inches) | 1.4823 inch |
| Depth including DIN rail | 38.4 mm | Height | 84.5 mm |
| Height (inches) | 3.3268 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 10.88 g |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| 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) | TUEV16ATEX7939U | Certificate No. (IECEX) | IECEXTUR16.0045U |
| Max. voltage (ATEX) | 400 V | Current (ATEX) | 18 A |
| Wire cross section max. (ATEX) | 2.5 mm² | Max. voltage (IECEX) | 400 V |
| Current (IECEX) | 18 A | Wire cross section max. (IECEX) | 2.5 mm² |
| Marking EN 60079-7 | Ex ec II C Gc | Ex 2014/34/EU label | II 3 G D |

### System specifications

| | | | |
|---|---|---|---|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 3 |
| 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

| | | | |
|---|---|---|---|
| With snap-in pegs | No | Open sides | right |
| Snap-on | No | Type of fixing | Snap-on |



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# Technical data

| | | | |
|---|---|---|---|
| Installation advice | Rail | Type of mounting | TS 35 |

### CSA rating data

| | | | |
|---|---|---|---|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA) | 300 V |
| Current size C (CSA) | 20 A | Certificate No. (CSA) | 200039-70089609 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 20 A |
| Voltage size D (CSA) | 600 V | Current size D (CSA) | 5 A |
| Wire cross section min. (CSA) | 28 AWG | | |

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | PUSH IN |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Gauge to IEC 60947-1 | A3 | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Connection direction | top | | |
| Stripping length | 10 mm | | |
| Type of connection 2 | PUSH IN | | |
| Type of connection | PUSH IN | | |
| Number of connections | 3 | | |
| Clamping range, max. | 4 mm² | | |
| Clamping range, min. | 0.14 mm² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 28 | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.14 mm² | | |
| Wire connection cross section, finely stranded, max. | 4 mm² | | |
| Wire connection cross section, finely stranded, min. | 0.14 mm² | | |
| Connection cross-section, stranded, max. | 4 mm² | | |
| Connection cross-section, stranded, min. | 0.14 mm² | | |
| Twin wire-end ferrules, max. | 0.75 mm² | | |
| Twin wire-end ferrules, min. | 0.5 mm² | | |
| Wire connection cross-section, solid core, max. | 2.5 mm² | | |
| Wire connection cross-section, solid core, min. | 0.14 mm² | | |
| Connection cross-section, finely stranded, min. | 0.14 mm² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 6 mm |
| | | max. | 8 mm |
| | Cross-section for conductor connection | min. | 0.14 mm² |
| | | max. | 0.34 mm² |



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# Technical data

| | | | |
|---|---|---|---|
| | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 0.75 mm² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | nominal | 5 mm |
| | Cross-section for conductor connection | nominal | 0.25 mm² |
| | Tube length | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 7 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 4 mm² |

## General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Rail |
| Wire connection cross section AWG, min. | AWG 28 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 35 | | |

## Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Nominal current | 20 A |
| Current at maximum wires | 20 A | Standards | IEC 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 W | Surge voltage category | III |
| Pollution severity | 3 | | |

## UL rating data

| | | | |
|---|---|---|---|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 600 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 28 AWG | Conductor size Factory wiring min. (cURus) | 28 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 |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

## 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 | | |

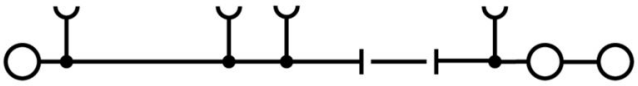


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## Drawings





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