

ADT 2.5 2C OR**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

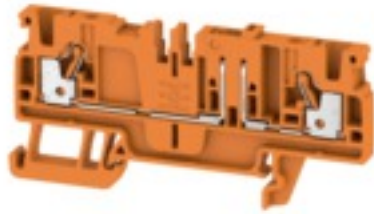
32760 Detmold

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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 mm ² , 500 V, 20 A, orange |
| Order No. | 1989820000 |
| Type | ADT 2.5 2C OR |
| GTIN (EAN) | 4050118374339 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 37.65 mm | Depth (inches) | 1.482 inch |
| Depth including DIN rail | 38.4 mm | Height | 77.5 mm |
| Height (inches) | 3.051 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 9.579 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C | | |

Material data

| | | | |
|--------------------------------|--------|---------------------------|--------|
| 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 mm ² | Max. voltage (IECEX) | 400 V |
| Current (IECEX) | 18 A | Wire cross section max. (IECEX) | 2.5 mm ² |
| 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 | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | No | Rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|---------------------|-------|-------------------|---------|
| Installation advice | Rail | Open sides | right |
| Snap-on | No | Type of fixing | Snap-on |
| Type of mounting | TS 35 | With snap-in pegs | No |

CSA rating data

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

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |

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| | | | | |
|---|--|----------------------|----------------------|------|
| Gauge to IEC 60947-1 | A3 | | | |
| Number of connections | 2 | | | |
| Stripping length | 10 mm | | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | www.weidmueller.com | |
| | | max. | 0.75 mm ² | |
| | Tube length | min. | 8 mm | |
| | | max. | 12 mm | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 8 mm | |
| | | max. | 6 mm | |
| | Cross-section for conductor connection | min. | 0.34 mm ² | |
| | | max. | 0.14 mm ² | |
| | Tube length | min. | 12 mm | |
| | | max. | 6 mm | |
| | Cross-section for conductor connection | min. | 1 mm ² | |
| | | max. | 0.5 mm ² | |
| | Tube length | min. | 12 mm | |
| | | max. | 8 mm | |
| | Cross-section for conductor connection | min. | 2.5 mm ² | |
| | | max. | 1.5 mm ² | |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.25 mm ² | |
| | | Tube length | nominal | 5 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² | |
| | | max. | 1 mm ² | |
| | Tube length | min. | 6 mm | |
| | | max. | 10 mm | |
| | Cross-section for conductor connection | min. | 1.5 mm ² | |
| | | max. | 4 mm ² | |
| | Tube length | min. | 7 mm | |
| | | max. | 12 mm | |
| | Twin wire-end ferrules, max. | 0.75 mm ² | | |
| | Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | PUSH IN | | | |
| 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 ² | | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | | |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | | |

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Disconnect terminals

| | | | |
|------------------|----------|----------------------|-----|
| Cross-disconnect | without | Integral test socket | Yes |
| Slitting | Pivoting | | |

General

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

Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated 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 |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 28 AWG | Current size B (cURus) | 20 A |
| Current size C (cURus) | 20 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 300 V | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 600 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 |

Approvals

Approvals



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

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

Data sheet

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Technical data

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity ATEX certificate IECEX Certificate CB Test Certificate EAC certificate DNVGL certificate MARITREG certificate CB Certificate CCC Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| Tender specification | Klippon® Connect 1989820000 EN Klippon® Connect 1989820000 DE |
| User Documentation | NTI ADT 2.5 2C.pdf StorageConditionsTerminalBlocks BPZL ADT |
| Catalogues | Catalogues in PDF-format |

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Drawings

