

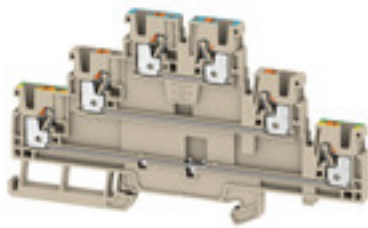
A3T 2.5 N-FT-PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

| | |
|------------|---|
| Version | Multi-tier modular terminal, PUSH IN, 2.5 mm ² , 800 V, 24 A, dark beige |
| Order No. | 2428840000 |
| Type | A3T 2.5 N-FT-PE |
| GTIN (EAN) | 4050118438130 |
| Qty. | 50 pc(s). |

Creation date 23 December 2021 04:38:33 CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 64.5 mm | Depth (inches) | 2.539 inch |
| Depth including DIN rail | 65 mm | Height | 116 mm |
| Height (inches) | 4.567 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 23.507 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 | dark beige |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX) | TUEV16ATEX7909U | Certificate No. (IECEX) | IECEXTUR16.0036U |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 19 A |
| Wire cross section max. (ATEX) | 2.5 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 19 A | Wire cross section max. (IECEX) | 2.5 mm ² |
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |

System specifications

| | | | |
|--------------------------|-----|-------------------------------------|-------|
| End cover plate required | Yes | Number of potentials | 3 |
| Number of levels | 3 | Number of clamping points per level | 2 |
| PE connection | Yes | Rail | TS 35 |
| PE function | Yes | 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. | 2.5 mm ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 2.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A3 |
| Number of connections | 6 |

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Technical data

| | | | | |
|---|--|----------------------|----------------------|------|
| Stripping length | 10 mm | | | |
| Tube length for twin wire-end ferrule | Tube length | max. | 12 mm | |
| | | min. | 8 mm | |
| | Cross-section for conductor connection | min. | 0.5 mm ² | |
| max. | | 0.75 mm ² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | max. | 8 mm | |
| | | min. | 6 mm | |
| | Cross-section for conductor connection | min. | 0.14 mm ² | |
| | | max. | 0.34 mm ² | |
| | Tube length | max. | 12 mm | |
| | | min. | 6 mm | |
| | Cross-section for conductor connection | min. | 0.5 mm ² | |
| | | max. | 1 mm ² | |
| | Tube length | max. | 12 mm | |
| | | min. | 8 mm | |
| | Cross-section for conductor connection | min. | 1.5 mm ² | |
| | | max. | 2.5 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 | max. | 10 mm | |
| | | min. | 6 mm | |
| | Cross-section for conductor connection | min. | 1.5 mm ² | |
| | | max. | 2.5 mm ² | |
| | Tube length | max. | 12 mm | |
| | | min. | 7 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. | 2.5 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. | 2.5 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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Technical data**General**

| | | | |
|---|------------------------------------|---|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | DIN EN 60947-7-1, DIN EN 60947-7-2 | 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 | 800 V |
| Rated current | 24 A | Current at maximum wires | 24 A |
| Standards | DIN EN 60947-7-1, DIN EN 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 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 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | 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 | | |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E60693 |

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Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate DNVGL certificate MARITREG certificate CCC Ex Certificate CB Testreport CB Certificate CE Declaration of Conformity CE Declaration of Conformity CE Declaration of Conformity all terminals |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Tender specification | Klippon® Connect 2428840000 DE Klippon® Connect 2428840000 EN |
| User Documentation | StorageConditionsTerminalBlocks NTI A3T FT FT PE BPZL AXC PE |
| Catalogues | Catalogues in PDF-format |

Data sheet

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Drawings

