

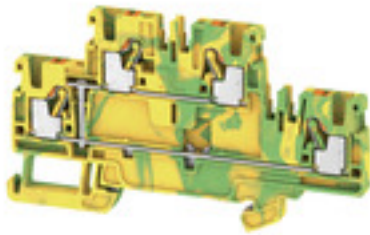
A2T 2.5 PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

| | |
|------------|---|
| Version | PE terminal, PUSH IN, 2.5 mm ² , 800 V, Green/yellow |
| Order No. | 1547680000 |
| Type | A2T 2.5 PE |
| GTIN (EAN) | 4050118462906 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 50.5 mm | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51 mm | Height | 90 mm |
| Height (inches) | 3.543 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 16.879 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 | Green/yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX) | TUEV16ATEX7909U | Certificate No. (IECEX) | IECEXTUR16.0036U |
| Wire cross section max. (ATEX) | 2.5 mm ² | 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 | 1 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | Yes |
| PE connection | Yes | Rail | TS 35 |
| N-function | No | 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 | Voltage size B (CSA) | 600 V |
| Voltage size C (CSA) | 600 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 |
| Gauge to IEC 60947-1 | A3 |
| Number of connections | 4 |
| Stripping length | 10 mm |

Creation date November 26, 2024 12:14:53 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

| | | | |
|---|--|---------|----------------------|
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | 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 | Cross-section for conductor connection | min. | 0.34 mm ² |
| | | max. | 0.14 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 6 mm |
| | Cross-section for conductor connection | min. | 1 mm ² |
| | | max. | 0.5 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 6 mm |
| | Cross-section for conductor connection | min. | 2.5 mm ² |
| | | max. | 1.5 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 8 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.25 mm ² |
| | | 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 26 | | |
| 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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Technical data

General

| | | | |
|---|---------------|---|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | IEC 60947-7-2 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|---|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 800 V | Rated DC voltage | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV | Rated impulse withstand voltage to adjacent terminal | 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 | Voltage size B (cURus) | 600 V |
| Voltage size C (cURus) | 600 V | Voltage size D (cURus) | 600 V |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC000901 | ETIM 8.0 | EC000901 |
| ETIM 9.0 | EC000901 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-04 |
| ECLASS 14.0 | 27-25-01-04 | | |

Environmental Product Compliance

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

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Technical data

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity UKCA Ex Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate CCC Ex Certificate UKCA Ex Certificate 20-AV4BO-0270U DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 1547680000 EN Klippon® Connect 1547680000 DE |
| User Documentation | NTI_A2T_2.5_VL.pdf NTI_A2T_2.5.pdf StorageConditionsTerminalBlocks User Manual AXC PE |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

