

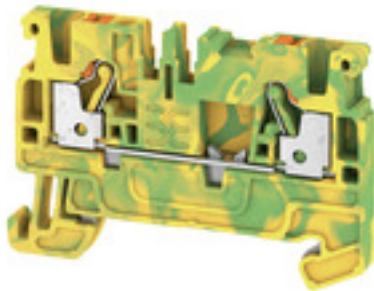
A2C 2.5 PE**Weidmüller Interface GmbH & Co. KG**

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 , Green/yellow |
| Order No. | 1521680000 |
| Type | A2C 2.5 PE |
| GTIN (EAN) | 4050118328189 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 36.5 mm | Depth (inches) | 1.437 inch |
| Depth including DIN rail | 37 mm | Height | 55 mm |
| Height (inches) | 2.165 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 9.253 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 |
| Colour of operational elements | orange | 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 | 1 | Number of clamping points per level | 2 |
| Number of potentials per tier | 1 | 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 | 2 |
| Stripping length | 10 mm |

Creation date March 8, 2023 12:55:16 PM CET

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Technical data

| | | | | |
|---|--|----------------------|----------------------|--|
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm | |
| | | max. | 12 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 | 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 | Tube length | nominal | 5 mm | |
| | | nominal | 0.25 mm ² | |
| | Tube length | min. | 6 mm | |
| | | max. | 10 mm | |
| | Cross-section for conductor connection | min. | 0.5 mm ² | |
| | | max. | 1 mm ² | |
| | Tube length | min. | 7 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | min. | 1.5 mm ² | |
| | | max. | 4 mm ² | |
| | 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 to adjoining terminal | 800 V |
| Standards | IEC 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 | Voltage size B (cURus) | 600 V |
| Voltage size C (cURus) | 600 V | Voltage size D (cURus) | 600 V |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ECLASS 9.0 | 27-14-11-41 |
| ECLASS 9.1 | 27-14-11-41 | ECLASS 10.0 | 27-14-11-41 |
| ECLASS 11.0 | 27-14-11-41 | ECLASS 12.0 | 27-14-11-41 |

Approvals

Approvals



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

Creation date March 8, 2023 12:55:16 PM CET

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

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Technical data

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate EAC certificate DNVGL certificate BV certificate MARITREG certificate CCC Ex Certificate UKCA 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 152 1680000 EN Klippon® Connect 152 1680000 DE |
| User Documentation | NTI_A2C 2.5.pdf StorageConditionsTerminalBlocks NTI ALO 16 BPZL AXC PE |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

