

Data sheet

A-series A2C 6 PE

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

| | |
|------------|--------------------------------------------------------|
| Type | A2C 6 PE |
| Order No. | 1991810000 |
| Version | PE terminal, PUSH IN, 6 mm ² , Green/yellow |
| GTIN (EAN) | 4050118376623 |
| Qty. | 50 pc(s). |

Creation date 21 April 2020 10:34:25 CEST

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Technical data

Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 8.1 mm | Width (inches) | 0.319 inch |
| Height | 66.5 mm | Height (inches) | 2.618 inch |
| Depth | 45.5 mm | Depth (inches) | 1.791 inch |
| Depth including DIN rail | 46 mm | Net weight | 20.4 g |

Temperatures

| | | | |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max. | 40 °C | Storage temperature, min. | 10 °C |
| Storage temperature | 10 °C...40 °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) | 6 mm ² | Wire cross section max. (IECEX) | 6 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) | 8 AWG | Wire cross section min. (CSA) | 22 AWG |

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Conductors for clamping (rated connection)

| | | | |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.5 mm ² | Connection cross-section, stranded, max. | 6 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A5 | Number of connections | 2 |
| Stripping length | 12 mm | Twin wire-end ferrules, max. | 1.5 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | Type of connection | PUSH IN |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 22 |
| Wire connection cross section, finely stranded, max. | 6 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 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. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

PE rating data

| | | | |
|--------------------------|----------------------------|--------------|----|
| Rated short-time current | 720 A (6 mm ²) | PEN function | No |
|--------------------------|----------------------------|--------------|----|

Rating data

| | | | |
|---------------------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section | 6 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.31 W | Rated impulse withstand voltage | 8 kV |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 22 AWG | Conductor size Field wiring max. (cURus) | 8 AWG |
| Conductor size Field wiring min. (cURus) | 22 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 |
| eClass 9.0 | 27-14-11-41 | eClass 9.1 | 27-14-11-41 |
| eClass 10.0 | 27-14-11-41 | | |

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data

Approvals

Approvals



ROHS

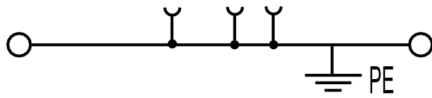
Conform

Downloads

| | |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | Attestation of Conformity ATEX Certificate IECEx Certificate CB Test Certificate CB Certificate DE_PT0102_20160614_028_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| Tender specification | Klippon® Connect 1991810000 DE Klippon® Connect 1991810000 EN |
| User Documentation | NTI_A2C 6.pdf StorageConditionsTerminalBlocks Aderendhülsen für die Klippon® Connect A-Reihe NTI ALO16 |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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