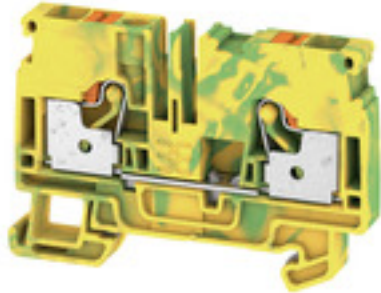


**A-series
A2C 6 PE**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**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). |

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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 | 20.473 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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) | TÜV16ATEX7909U | Certificate No. (IECEX) | IECEXTUR16.0036U |
| Wire cross section max. (ATEX) | 6 mm ² | Wire cross section max. (IECEX) | 6 mm ² |

System specifications

| | | | |
|-------------------------------|-------|----------------------------------|-----|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | No. of clamping points per level | 2 |
| Number of potentials per tier | 1 | PE connection | Yes |
| Mounting rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|---------------------|---------------|-------------------|---------|
| Installation advice | Mounting 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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Technical data
Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, rated connection, max. | 6 mm ² |
| Clamping range, rated connection, min. | 0.5 mm ² | Connection direction | top |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | 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 with wire-end ferrules DIN 46228/1, rated connection, max. | 6 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 6 mm ² |
| Wire connection cross section, solid core max. rated connection | 6 mm ² | Wire connection cross section, solid core, min. rated connection | 0.5 mm ² |
| Wire connection cross section, stranded, rated connection, max. | 6 mm ² | Wire connection cross section, stranded, rated connection, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 6 mm ² | Wire connection cross-section, finely stranded, 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 |
| Rated impulse withstand voltage to adjacent terminal | 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 | eClass 6.2 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-41 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | Approval in progress |
| Descriptive text accessories | All MultiMark variants (MM) = strip markers |

Creation date January 26, 2018 7:08:58 PM CET

Data sheet**A-series
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity

[Attestation of Conformity](#)
[Attestation of Conformity](#)
[ATEX Certificate](#)
[IECEX Certificate](#)
[DE_PT0102_20160614_028_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[NTI](#)**Safety note**

Safety notice

[Safety Information](#)

Data sheet

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Drawings

