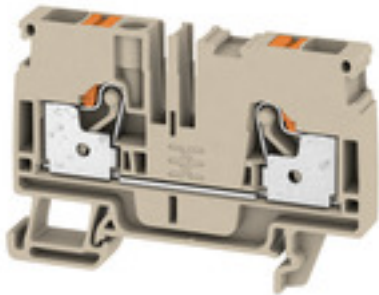


**A-series  
A2C 6**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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   |
| Order No.  | <a href="#">1992110000</a>  |
| Version    | Feed-through terminal, PUSH IN, 6 mm <sup>2</sup> , 800 V, 41 A, Dark Beige |
| GTIN (EAN) | 4050118377064   |
| 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      | 16.37 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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)                  | 37 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 37 A              | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb     |                                 |                   |

**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                    | No |
| Mounting rail                 | TS 35 | N-function                       | No |
| PE function                   | No    | 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 | Current size B (CSA)          | 38 A  |
| Current size C (CSA)          | 38 A            | Current size D (CSA)          | 5 A   |
| 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, max.  | 6 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 6 mm <sup>2</sup>   |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup> | 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 <sup>2</sup> |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup> | 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 <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 6 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |

**Rating data**

|   |                   |  |         |
|---|-------------------|--|---------|
| Rated cross-section                         | 6 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                               | 41 A              | Current at maximum wires                     | 41 A    |
| Standards                                   | IEC 60947-7-1     | 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 | Current size B (cURus)                     | 38 A  |
| Current size C (cURus)                     | 38 A   | Current size D (cURus)                     | 5 A   |
| Voltage size B (cURus)                     | 600 V  | Voltage size C (cURus)                     | 600 V |
| Voltage size D (cURus)                     | 600 V  |  |       |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 5.0   | EC000897    | ETIM 6.0   | EC000897    |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Approvals**

Approvals



ROHS

Conform

Creation date November 20, 2018 4:06:41 PM CET

Catalogue status 09.11.2018 / We reserve the right to make technical changes.

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

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_A2C_6.pdf</a><br><a href="#">CFAT_A2C_6.pdf</a><br><a href="#">DE_PT0101_20160614_025_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT_1_TERM_16/17_EN</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| Engineering Data                            | <a href="#">STEP</a>   |
| User Documentation                          | <a href="#">NTI_A2C_6.pdf</a>  |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet**

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**Drawings**

