

**A-series  
A3C 6****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

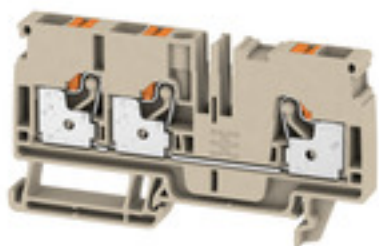
D-32758 Detmold

Germany

Fon: +49 5231 1429-0

Fax: +49 5231 14292083

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       | A3C 6                                                          |
| Order No.  | <a href="#">1991820000</a>                                     |
| Version    | Feed-through terminal, PUSH IN, 6 mm², 800 V, 41 A, Dark Beige |
| GTIN (EAN) | 4050118376630                                                  |
| Qty.       | 50 pc(s).                                                      |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 8.1 mm  | Width (inches)  | 0.319 inch |
| Height                   | 84.5 mm | Height (inches) | 3.327 inch |
| Depth                    | 45.5 mm | Depth (inches)  | 1.791 inch |
| Depth including DIN rail | 46 mm   | Net weight      | 21.995 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)         | TÜV16ATEX7909U    | Certificate No. (IECEX)         | IECEXTUR16.0036U  |
| Max. voltage (ATEX)            | 550 V             | Current (ATEX)                  | 36 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 36 A              | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |

**System specifications**

|                               |       |                                  |    |
|-------------------------------|-------|----------------------------------|----|
| End cover plate required      | Yes   | Number of potentials             | 1  |
| Number of levels              | 1     | No. of clamping points per level | 3  |
| 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, rated connection, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, rated connection, min.                                                                                                | 0.5 mm <sup>2</sup> | 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 <sup>2</sup> | Gauge to IEC 60947-1                                                                                      |                     |
| Number of connections                                                                                                                 | 3                   |                                                                                                           | A5                  |
| Twin wire-end ferrules, max.                                                                                                          | 1.5 mm <sup>2</sup> | Stripping length                                                                                          | 12 mm               |
| Type of connection                                                                                                                    | PUSH IN             | Twin wire-end ferrules, min.                                                                              | 0.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.                                                                                               | AWG 22              | Wire connection cross section AWG, max.                                                                   | AWG 8               |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 6 mm <sup>2</sup>   |
| Wire connection cross section, solid core max. rated connection                                                                       | 6 mm <sup>2</sup>   | Wire connection cross section, finely stranded, max.                                                      | 6 mm <sup>2</sup>   |
| Wire connection cross section, stranded, rated connection, max.                                                                       | 6 mm <sup>2</sup>   | Wire connection cross section, solid core, min. rated connection                                          | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.         | 6 mm <sup>2</sup>   | Wire connection cross section, stranded, rated connection, 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 |
| 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 |            |             |

**Product information**

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

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[Attestation of Conformity](#)  
[ATEX Certificate](#)  
[IECEX Certificate](#)  
[DE\\_PT0101\\_20160614\\_047\\_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](#)

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## Drawings

