

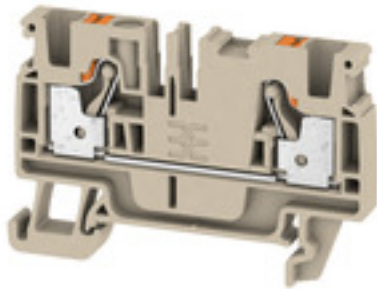
**A2C 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

|            |   |
|------------|---|
| Version    | Feed-through terminal, PUSH IN, 4 mm <sup>2</sup> , 800 V, 32 A, dark beige |
| Order No.  | <a href="#">2051180000</a>  |
| Type       | A2C 4   |
| GTIN (EAN) | 4050118411607   |
| Qty.       | 100 pc(s).  |

Creation date April 10, 2021 6:54:42 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 39.5 mm    | Depth (inches) | 1.555 inch |
| Depth including DIN rail | 40.5 mm    | Height         | 60 mm      |
| Height (inches)          | 2.362 inch | Net weight     | 9.598 g    |
| Width                    | 6.1 mm     | Width (inches) | 0.24 inch  |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | 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)                  | 28 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 28 A              | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| 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   | Levels cross-connected internally   | No    |
| PE connection                 | No  | Rail                                | TS 35 |
| N-function                    | No  | PE function                         | No    |
| 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 | Current size B (CSA)          | 30 A   |
| Current size C (CSA)          | 30 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) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

**Conductors for clamping (rated connection)**

|  |                      |
|--|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 4 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 4 mm <sup>2</sup>    |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |

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## Technical data

|   |  |                              |                     |
|---|--|------------------------------|---------------------|
| Gauge to IEC 60947-1  | A4                                     |                              |                     |
| Number of connections   | 2                                      |                              |                     |
| Stripping length  | 12 mm                                  |                              |                     |
| Tube length for AEH with plastic collar<br>DIN 46228/4  | Tube length                            | max.                         | 12 mm               |
|   |  | min.                         | 6 mm                |
|   | Cross-section for conductor connection | min.                         | 0.5 mm <sup>2</sup> |
|   |  | max.                         | 1 mm <sup>2</sup>   |
|   | Tube length                            | max.                         | 12 mm               |
|   |  | min.                         | 8 mm                |
| Cross-section for conductor connection  | min.                                   | 1.5 mm <sup>2</sup>          |                     |
|   | max.                                   | 2.5 mm <sup>2</sup>          |                     |
| Tube length for AEH without plastic<br>collar DIN 46228/1                                     | Tube length                            | max.                         | 12 mm               |
|   |  | min.                         | 10 mm               |
|   | Cross-section for conductor connection | min.                         | 1.5 mm <sup>2</sup> |
|   |  | max.                         | 2.5 mm <sup>2</sup> |
|   | Tube length                            | max.                         | 12 mm               |
|   |  | min.                         | 7 mm                |
| Cross-section for conductor connection  | nominal                                | 4 mm <sup>2</sup>            |                     |
|   | Tube length                            | max.                         | 15 mm               |
| Tube length for twin wire-end ferrule   | Cross-section for conductor connection | min.                         | 0.5 mm <sup>2</sup> |
|   |  | max.                         | 1.5 mm <sup>2</sup> |
|   | Tube length                            | max.                         | 12 mm               |
|   |  | min.                         | 8 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,<br>max.  | AWG 12                                 |                              |                     |
| Wire connection cross section AWG,<br>min.  | AWG 26                                 |                              |                     |
| Wire connection cross section, finely<br>stranded, max.                                       | 4 mm <sup>2</sup>                      |                              |                     |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, max. | 4 mm <sup>2</sup>                      |                              |                     |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, min. | 0.5 mm <sup>2</sup>                    |                              |                     |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, max. | 4 mm <sup>2</sup>                      |                              |                     |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, min. | 0.5 mm <sup>2</sup>                    |                              |                     |
| Wire connection cross-section, solid<br>core, max.  | 4 mm <sup>2</sup>                      |                              |                     |
| Wire connection cross-section, solid<br>core, min.  | 0.5 mm <sup>2</sup>                    |                              |                     |

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## Technical data

## General

|   |               |   |        |
|---|---------------|---|--------|
| Installation advice                     | Rail          | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26        |   |        |

## Rating data

|  |        |                                 |                   |
|--|--------|---------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.02 W | Rated cross-section             | 4 mm <sup>2</sup> |
| Rated voltage                                | 800 V  | Rated current                   | 32 A              |
| Current at maximum wires                     | 32 A   | Standards                       | IEC 60947-7-1     |
| Volume resistance according to IEC 60947-7-x | 1 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) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Current size B (cURus)                     | 30 A   |
| Current size C (cURus)                     | 30 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 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

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## Technical data

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">BV certificate</a><br><a href="#">MARITREG certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| Tender specification                        | <a href="#">Klippon® Connect 205 1 180000 DE</a><br><a href="#">Klippon® Connect 205 1 180000 EN</a>   |
| User Documentation                          | <a href="#">NTI_A2C_4.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ALO 16</a>   |

**Data sheet**

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**Drawings**

