

**A2C 1.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |   |
|------------|---|
| Version    | Feed-through terminal, PUSH IN, 1.5 mm <sup>2</sup> , 500 V, 17.5 A, dark beige |
| Order No.  | <a href="#">1552790000</a>  |
| Type       | A2C 1.5   |
| GTIN (EAN) | 4050118359879   |
| Qty.       | 100 pc(s).  |

Creation date August 24, 2023 11:21:46 PM CEST

Catalogue status 18.08.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 33.5 mm    | Depth (inches) | 1.319 inch |
| Depth including DIN rail | 34 mm      | Height         | 55 mm      |
| Height (inches)          | 2.165 inch | Width          | 3.5 mm     |
| Width (inches)           | 0.138 inch | Net weight     | 4.04 g     |

## 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)                  | 15 A                |
| Wire cross section max. (ATEX) | 1.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 15 A                | Wire cross section max. (IECEX) | 1.5 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     | 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)          | 13 A   |
| Current size C (CSA)          | 13 A            | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 300 V           | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V           | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Blade size                               | 0.4 x 2.0 mm         |
| Clamping range, max.                     | 1.5 mm <sup>2</sup>  |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 1.5 mm <sup>2</sup>  |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |
| Gauge to IEC 60947-1                     | A1                   |

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|   |  |                     |                      |
|---|--|---------------------|----------------------|
| Number of connections   | 2                                      |                     |                      |
| Stripping length  | 8 mm                                   |                     |                      |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | min.                | 0.14 mm <sup>2</sup> |
|   |  | max.                | 0.75 mm <sup>2</sup> |
|   | Tube length                            | max.                | 8 mm                 |
|   |  | min.                | 6 mm                 |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Tube length                            | min.                | 5 mm                 |
|   | Cross-section for conductor connection | nominal             | 0.25 mm <sup>2</sup> |
|   | Tube length                            | nominal             | 6 mm                 |
|   | Cross-section for conductor connection | min.                | 0.5 mm <sup>2</sup>  |
|   |  | max.                | 1 mm <sup>2</sup>    |
|   | Tube length                            | nominal             | 10 mm                |
| Cross-section for conductor connection  | nominal                                | 1.5 mm <sup>2</sup> |                      |
| Type of connection  | PUSH IN                                |                     |                      |
| Wire connection cross section AWG, max.   | AWG 14                                 |                     |                      |
| Wire connection cross section AWG, min.   | AWG 26                                 |                     |                      |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>                    |                     |                      |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>                    |                     |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 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. | 1 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, solid core, max.   | 1.5 mm <sup>2</sup>                    |                     |                      |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>                    |                     |                      |

### General

|   |               |   |        |
|---|---------------|---|--------|
| Installation advice                     | Rail          | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section AWG, min. | AWG 26        |   |        |

### Rating data

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 1.5 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated current                   | 17.5 A              | Current at maximum wires                     | 17.5 A  |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
|                                 |                     | Power loss in accordance with IEC 60947-7-x  | 0.56 W  |
| Rated impulse withstand voltage | 6 kV                | Surge voltage category                       | III     |
| Pollution severity              | 3                   |  |         |

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## Technical data

### UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 14 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 14 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 13 A   |
| Current size C (cURus)                     | 13 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 300 V  | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 V  |  |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | 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 | ECLASS 12.0 | 27-14-11-20 |

### Important note

Product information For the wire end ferrules H1/10 and H1.5/10 a stripping length of 10 mm is to apply.

### Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (cURus)   | E60693     |
| Certificate No. (cURusEX) | E184763    |

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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="#">DNVGL certificate</a><br><a href="#">BV certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">Zuken E3.S</a>  |
| Tender specification                        | <a href="#">Klippon® Connect 1552790000 DE</a><br><a href="#">Klippon® Connect 1552790000 EN</a>  |
| User Documentation                          | <a href="#">NTI_A2C 1.5.pdf</a><br><a href="#">NTI_ALO 6</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI_ALO16</a><br><a href="#">BPZL AXC 1.5-16</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

**Data sheet**

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**Drawings**

