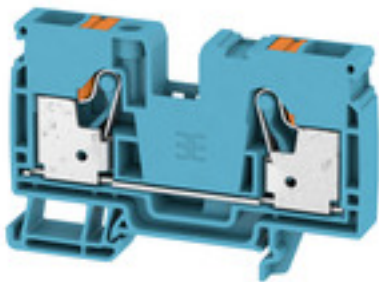


**A-series  
A2C 10 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://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 10 BL                                                  |
| Order No.  | <a href="#">2490370000</a>                                 |
| Version    | Feed-through terminal, PUSH IN, 10 mm², 1000 V, 57 A, blue |
| GTIN (EAN) | 4050118500806                                              |
| Qty.       | 25 pc(s).                                                  |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 10 mm   | Width (inches)  | 0.394 inch |
| Height                   | 80.5 mm | Height (inches) | 3.169 inch |
| Depth                    | 51.5 mm | Depth (inches)  | 2.028 inch |
| Depth including DIN rail | 52.5 mm | Net weight      | 32.315 g   |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C        |                                  |        |

**Material data**

|                                |        |                           |      |
|--------------------------------|--------|---------------------------|------|
| Material                       | Wemid  | Colour                    | blue |
| 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)                  | 52 A                |
| Wire cross section max. (ATEX) | 10 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 52 A               | Wire cross section max. (IECEX) | 0.5 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   | No. of clamping points per level | 2     |
| Number of potentials per tier | 1   | Rail                             | TS 35 |

**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)          | 55 A  |
| Current size C (CSA)          | 55 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) | 6 AWG |
| Wire cross section min. (CSA) | 20 AWG          |                               |       |

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 10 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 10 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup> | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A6                  | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 18 mm               | Twin wire-end ferrules, max.                                                            | 4 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 6               | Wire connection cross section AWG, min.                                                 | AWG 20              |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 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. | 10 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.                                         | 10 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**Rating data**

|                                             |                    |                                              |         |
|---------------------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section                         | 10 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                               | 57 A               | Current at maximum wires                     | 57 A    |
| Standards                                   | DIN EN 60947-7-1   | Volume resistance according to IEC 60947-7-x | 0.56 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.82 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) | 6 AWG |
| Conductor size Factory wiring min. (cURus) | 20 AWG | Conductor size Field wiring max. (cURus)   | 6 AWG |
| Conductor size Field wiring min. (cURus)   | 20 AWG | Current size B (cURus)                     | 55 A  |
| Current size C (cURus)                     | 55 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 | 27-14-92-14 | 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

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## Technical data

### Downloads

|                                             |                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT0131_20171107_002_ISSUE01</a>                                                   |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                            |
| Engineering Data                            | <a href="#">STEP</a>                                                                             |
| Tender specification                        | <a href="#">Klippon® Connect 2490370000 DE</a><br><a href="#">Klippon® Connect 2490370000 EN</a> |
| User Documentation                          | <a href="#">Usage of terminals in EXi atmospheres</a>                                            |

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## Drawings

