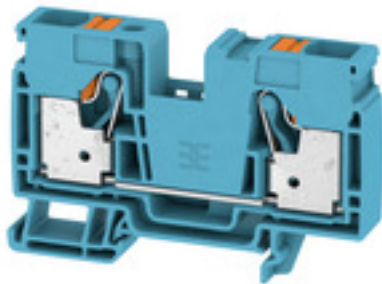


**A2C 16 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[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**

|            |                                                            |
|------------|------------------------------------------------------------|
| Version    | Feed-through terminal, PUSH IN, 16 mm², 1000 V, 76 A, blue |
| Order No.  | <a href="#">2494100000</a>                                 |
| Type       | A2C 16 BL                                                  |
| GTIN (EAN) | 4050118504101                                              |
| Qty.       | 20 pc(s).                                                  |

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 51.5 mm    | Depth (inches) | 2.028 inch |
| Depth including DIN rail | 52.5 mm    | Height         | 80.5 mm    |
| Height (inches)          | 3.169 inch | Net weight     | 35.955 g   |
| Width                    | 12 mm      | Width (inches) | 0.472 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                    | 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)                  | 64 A               |
| Wire cross section max. (ATEX) | 16 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V              |
| Current (IECEX)                | 64 A               | Wire cross section max. (IECEX) | 16 mm <sup>2</sup> |

**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   | 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)          | 62 A  |
| Current size C (CSA)          | 62 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) | 18 AWG          |                               |       |

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

|                                                                                         |                      |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------|
| Blade size                                                                              | 1.0 x 5.5 mm         | Clamping range, max.                                                                    | 16 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 0.5 mm <sup>2</sup>  | Connection cross-section, stranded, max.                                                | 16 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.                                                            | 6 mm <sup>2</sup>  |
| Twin wire-end ferrules, min.                                                            | 0.75 mm <sup>2</sup> | Type of connection                                                                      | PUSH IN            |
| Wire connection cross section AWG, max.                                                 | AWG 4                | Wire connection cross section AWG, min.                                                 | AWG 18             |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 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. | 16 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.                                         | 16 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 4 |
| Wire connection cross section AWG, min. | AWG 18        |                                         |       |

**Rating data**

|                                              |                    |                                 |               |
|----------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 16 mm <sup>2</sup> | Rated voltage                   | 1,000 V       |
| Rated DC voltage                             | 1,000 V DC         | Rated current                   | 76 A          |
| Current at maximum wires                     | 76 A               | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 2.43 W             | 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) | 18 AWG | Conductor size Field wiring max. (cURus)   | 6 AWG |
| Conductor size Field wiring min. (cURus)   | 18 AWG | Current size B (cURus)                     | 62 A  |
| Current size C (cURus)                     | 62 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 |

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**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search E60693

**Downloads**

|                                             |                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE PT0101 20180316 002 ISSUE01.pdf</a><br><a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">MARITREG certificate</a><br><a href="#">CCC Ex Certificate</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                           |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                                                                                                                                                                          |
| Tender specification                        | <a href="#">Klippon® Connect 2494 100000 DE</a><br><a href="#">Klippon® Connect 2494 100000 EN</a>                                                                                                                                                                                                                             |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI A2C 16</a>                                                                                                                                                                                                                                                  |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                       |

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## Drawings

