

## A3C 16 BL

**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, 16 mm <sup>2</sup> , 1000 V, 76 A, blue |
| Order No.  | <a href="#">2494080000</a>  |
| Type       | A3C 16 BL   |
| GTIN (EAN) | 4050118503784   |
| Qty.       | 20 Stück  |

## A3C 16 BL

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technische Daten

### Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 51,5 mm    | Depth (inches) | 2,028 inch |
| Depth including DIN rail | 52,5 mm    | Height         | 102 mm     |
| Height (inches)          | 4,016 inch | Width          | 12 mm      |
| Width (inches)           | 0,472 inch | Net weight     | 48,346 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                    | 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 | 3     |
| 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          |                               |       |

## A3C 16 BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technische Daten

### Conductors for clamping (rated connection)

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 1.0 x 5.5 mm         | Clamping range, max.  | 25 mm <sup>2</sup>  |
| Clamping range, min.  | 0,5 mm <sup>2</sup>  | Connection cross-section, stranded, max.  | 25 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.  | 10 mm <sup>2</sup>   | Connection direction  | top                 |
| Gauge to IEC 60947-1  | A6                   | Number of connections   | 3                   |
| 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.                                    | 25 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. | 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            | 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    |
| 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 |

Erstellungs-Datum 04:24:25 CEST Ngày 28 tháng 6 năm 2023

Katalogstand 24.06.2023 / Technische Änderungen vorbehalten

## A3C 16 BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technische Daten

### Approvals

Approvals



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

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">DE PT0101_20180316_005_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><br><a href="#">UKCA Ex Certificate</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">EPLAN</a>   |
| Tender specification                        | <a href="#">Klippon® Connect 2494080000 EN</a><br><a href="#">Klippon® Connect 2494080000 DE</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI A3C 16</a><br><a href="#">BPZL AXC 1.5-16</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

**Datenblatt**

**A3C 16 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Zeichnungen**

