

**AAP11 1.5 LI BL/OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Control voltage distribution**

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.

**General ordering data**

|            |  |
|------------|--|
| Version    | Modular distribution terminals, PUSH IN, 1.5 mm <sup>2</sup> , 500 V, 17.5 A, blue |
| Order No.  | <a href="#">2522870000</a>   |
| Type       | AAP11 1.5 LI BL/OR   |
| GTIN (EAN) | 4050118554908  |
| Qty.       | 50 pc(s).  |

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

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## Technical data

### Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 47 mm      | Depth (inches) | 1.85 inch  |
| Depth including DIN rail | 48 mm      | Height         | 85.5 mm    |
| Height (inches)          | 3.366 inch | Net weight     | 8.253 g    |
| Width                    | 3.5 mm     | Width (inches) | 0.138 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)         | TUEV17ATEX8030U     | Certificate No. (IECEX)         | IECEXTUR17.0015U    |
| Max. voltage (ATEX)            | 550 V               | Current (ATEX)                  | 13 A                |
| Wire cross section max. (ATEX) | 1.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 13 A                | Wire cross section max. (IECEX) | 1.5 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex ec II C Gc       | 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 | 6     |
| 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)          | 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                  |

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|   |  |         |                      |
|---|--|---------|----------------------|
| Gauge to IEC 60947-1  | A1                                     |         |                      |
| Number of connections   | 6                                      |         |                      |
| Stripping length  | 8 mm                                   |         |                      |
| Tube length for AEH with plastic collar<br>DIN 46228/4  | Tube length                            | min.    | 6 mm                 |
|   |  | max.    | 8 mm                 |
|   | Cross-section for conductor connection | min.    | 0.14 mm <sup>2</sup> |
|   |  | max.    | 0.75 mm <sup>2</sup> |
| Tube length for AEH without plastic<br>collar DIN 46228/1                                     | Cross-section for conductor connection | nominal | 0.25 mm <sup>2</sup> |
|   | Tube length                            | min.    | 5 mm                 |
|   | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|   |  | max.    | 1 mm <sup>2</sup>    |
|   | Tube length                            | nominal | 6 mm                 |
|   | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
| Tube length   | nominal                                | 10 mm   |                      |
| Type of connection  | PUSH IN                                |         |                      |
| Wire connection cross section AWG,<br>max.  | AWG 14                                 |         |                      |
| Wire connection cross section AWG,<br>min.  | AWG 26                                 |         |                      |
| Wire connection cross section, finely<br>stranded, max.                                       | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, max. | 1.5 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. | 1 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.  | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid<br>core, min.  | 0.5 mm <sup>2</sup>                    |         |                      |

## General

|  |                       |  |        |
|--|-----------------------|--|--------|
| Installation advice                        | Rail                  | Rail                                       | TS 35  |
| Standards                                  | IEC/EN 60947-7-1:2009 | Wire connection cross section AWG,<br>max. | AWG 14 |
| Wire connection cross section AWG,<br>min. | AWG 26                |  |        |

## Rating data

|   |         |                                 |                       |
|---|---------|---------------------------------|-----------------------|
| Power loss in accordance with IEC<br>60947-7-x  | 0.56 W  | 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/EN 60947-7-1:2009 |
| Volume resistance according to IEC<br>60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 6 kV                  |
| Pollution severity                              | 3       | Surge voltage category          | III                   |

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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    |
| 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



UL File Number Search E60693

## Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEx Certificate</a><br><a href="#">DE PT0205 2017 1010 046 ISSUE01.pdf</a><br><a href="#">ATEX Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">CB 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 2522870000 DE</a><br><a href="#">Klippon® Connect 2522870000 EN</a>  |
| User Documentation                          | <a href="#">NTI AAP11</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">PI Klippon AAP DE</a><br><a href="#">PI Klippon AAP EN</a>  |

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**Drawings**

