

**AAP12 2.5 LI BL/OR****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

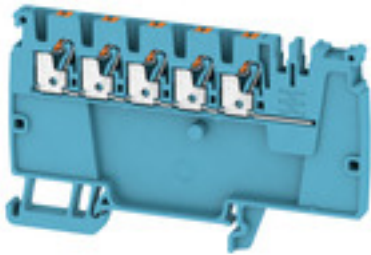
32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**Product image**

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. In the grouped structure of the control voltage distribution, the potentials are located on different terminal blocks and thus form entire potential blocks.

**General ordering data**

|            |  |
|------------|--|
| Version    | Modular distribution terminals, PUSH IN, 2.5 mm <sup>2</sup> , 800 V, 24 A, blue |
| Order No.  | <a href="#">2522840000</a>   |
| Type       | AAP12 2.5 LI BL/OR   |
| GTIN (EAN) | 4050118554915  |
| Qty.       | 50 pc(s).  |

## AAP12 2.5 LI BL/OR

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 53.5 mm    | Depth (inches) | 2.106 inch |
| Depth including DIN rail | 54 mm      | Height         | 89 mm      |
| Height (inches)          | 3.504 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 12.674 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)         | TUEV17ATEX8030U     | Certificate No. (IECEX)         | IECEXTUR17.0015U    |
| Max. voltage (ATEX)            | 690 V               | Current (ATEX)                  | 20 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 690 V               |
| Current (IECEX)                | 20 A                | Wire cross section max. (IECEX) | 2.5 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 | 5     |
| 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)          | 20 A   |
| Current size C (CSA)          | 20 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) | 12 AWG |
| Wire cross section min. (CSA) | 28 AWG          |                               |        |

## Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 2.5 mm <sup>2</sup>  |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 2.5 mm <sup>2</sup>  |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |

Creation date March 13, 2023 9:08:20 AM CET

## AAP12 2.5 LI BL/OR

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

## Technical data

info@weidmueller.com

|   |  |             |                      |
|---|--|-------------|----------------------|
| Gauge to IEC 60947-1  | A3                                     |             |                      |
| Number of connections   | 5                                      |             |                      |
| Stripping length  | 10 mm                                  |             |                      |
| Tube length for twin wire-end ferrule   | Tube length                            | min.        | www.weidmueller.com  |
|   |  | max.        | 12 mm                |
|   | Cross-section for conductor connection | min.        | 0.5 mm <sup>2</sup>  |
|   |  | max.        | 0.75 mm <sup>2</sup> |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | min.        | 0.34 mm <sup>2</sup> |
|   |  | max.        | 0.14 mm <sup>2</sup> |
|   | Tube length                            | min.        | 8 mm                 |
|   |  | max.        | 6 mm                 |
|   | Cross-section for conductor connection | min.        | 1 mm <sup>2</sup>    |
|   |  | max.        | 0.5 mm <sup>2</sup>  |
|   | Tube length                            | min.        | 12 mm                |
|   |  | max.        | 6 mm                 |
|   | Cross-section for conductor connection | min.        | 2.5 mm <sup>2</sup>  |
|   |  | max.        | 1.5 mm <sup>2</sup>  |
|   | Tube length                            | min.        | 12 mm                |
|   |  | max.        | 8 mm                 |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Cross-section for conductor connection | nominal     | 0.25 mm <sup>2</sup> |
|   |  | Tube length | nominal 5 mm         |
|   | Cross-section for conductor connection | min.        | 0.5 mm <sup>2</sup>  |
|   |  | max.        | 1 mm <sup>2</sup>    |
|   | Tube length                            | min.        | 6 mm                 |
|   |  | max.        | 10 mm                |
|   | Cross-section for conductor connection | min.        | 1.5 mm <sup>2</sup>  |
|   |  | max.        | 2.5 mm <sup>2</sup>  |
|   | Tube length                            | min.        | 7 mm                 |
|   |  | max.        | 12 mm                |
| Twin wire-end ferrules, max.  | 0.75 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 12                                 |             |                      |
| Wire connection cross section AWG, min.   | AWG 28                                 |             |                      |
| Wire connection cross section, finely stranded, max.                                    | 2.5 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. | 2.5 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. | 2.5 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.   | 2.5 mm <sup>2</sup>                    |             |                      |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>                    |             |                      |

**AAP12 2.5 LI BL/OR**

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**Technical data**

**General**

|   |               |   |                     |
|---|---------------|---|---------------------|
| Installation advice                     | Rail          | Rail                                    | www.weidmueller.com |
| Standards                               | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12              |
| Wire connection cross section AWG, min. | AWG 28        |   |                     |

**Rating data**

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                   | 24 A                | Current at maximum wires                     | 24 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   | Surge voltage category                       | III     |

**UL rating data**

|  |        |  |        |
|--|--------|--|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 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 |

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Data sheet

### AAP12 2.5 LI BL/OR

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

[info@weidmueller.com](mailto:info@weidmueller.com)

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

## Technical data

### Downloads

Approval/Certificate/Document of Conformity

[Attestation of Conformity](#)  
[IECEX Certificate](#)  
[DE PT0205 20171010 050 ISSUE01.pdf](#)  
[ATEX Certificate](#)  
[CB Test Certificate](#)  
[CB Certificate](#)  
[DNVGL certificate](#)  
[MARITREG certificate](#)  
[CCC Ex Certificate](#)  
[UKCA declaration of conformity](#)

Engineering Data

[CAD data – STEP](#)

Tender specification

[Klippon® Connect 2522840000 DE](#)  
[Klippon® Connect 2522840000 EN](#)

User Documentation

[NTI AAP12](#)  
[StorageConditionsTerminalBlocks](#)  
[AAP Terminal Blocks for control voltage distribution](#)  
[BPZL AXC 1.5-16](#)

Catalogues

[Catalogues in PDF-format](#)

**AAP12 2.5 LI BL/OR**

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

[info@weidmueller.com](mailto:info@weidmueller.com)

**Drawings**

