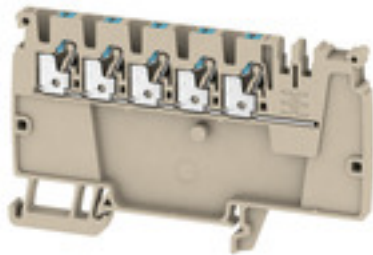


**A-series
AAP12 2.5 LI BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

| | |
|------------|--|
| Type | AAP12 2.5 LI BL |
| Order No. | 1988 100000 |
| Version | Modular distribution terminals, PUSH IN, 2.5 mm ² , 800 V, 24 A, dark beige |
| GTIN (EAN) | 4050118372762 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Height | 89 mm | Height (inches) | 3.504 inch |
| Depth | 53.5 mm | Depth (inches) | 2.106 inch |
| Depth including DIN rail | 54 mm | Net weight | 12.674 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 | dark beige |
| Colour of operational elements | blue | UL 94 flammability rating | V-0 |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX) | TUEV17ATEX8031U | Certificate No. (IECEX) | IECEXTUR17.0016U |
| Max. voltage (ATEX) | 690 V | Current (ATEX) | 20 A |
| Wire cross section max. (ATEX) | 2.5 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 20 A | Wire cross section max. (IECEX) | 2.5 mm ² |
| 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 | 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 | | |

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Technical data
Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|----------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 2.5 mm ² |
| Clamping range, min. | 0.14 mm ² | Connection cross-section, stranded, max. | 2.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A3 | Number of connections | 5 |
| Stripping length | 10 mm | Twin wire-end ferrules, max. | 0.75 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | 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 ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Rating data

| | | | |
|---|-----------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated current | 24 A | Current at maximum wires | 24 A |
| Standards | IEC/EN 60947-7-1:2009 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 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) | 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 |
| eClass 9.0 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | | |

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate MARITREG certificate DE_PT0205_20160620_013_ISSUE01.pdf Declaration of Conformity Terminals |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| Tender specification | Klippon® Connect 1988 100000 DE Klippon® Connect 1988 100000 EN |
| User Documentation | StorageConditionsTerminalBlocks Aderendhülsen für die Klippon® Connect A-Reihe PI Klippon AAP DE PI Klippon AAP EN |

Safety note

Safety notice [Safety Information](#)

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Drawings

