

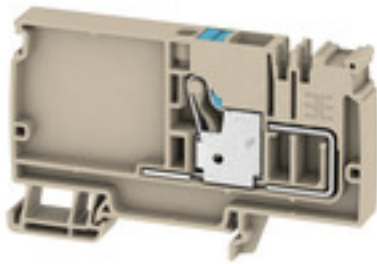
AAP12 10 LO BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 | Supply terminal, PUSH IN, 10 mm ² , 800 V, 57 A, dark beige |
| Order No. | 1988180000 |
| Type | AAP12 10 LO BL |
| GTIN (EAN) | 4050118372861 |
| Qty. | 20 pc(s). |

AAP12 10 LO BL

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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 | 10 mm |
| Width (inches) | 0.394 inch | Net weight | 25.342 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 | dark beige |
| Colour of operational elements | blue | 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) | 45 A |
| Wire cross section max. (ATEX) | 10 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 45 A | Wire cross section max. (IECEX) | 10 mm ² |
| 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 | 1 |
| 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

| | | | |
|--------------------------|---------|---------------------|-------|
| Explosion-tested version | Yes | 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) | 51 A |
| Current size C (CSA) | 51 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) | 20 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

| | |
|----------------------|--------------------|
| Blade size | 1.0 x 5.5 mm |
| Clamping range, max. | 10 mm ² |

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Technical data

| | | | |
|---|--|--------------------|----------------------|
| Clamping range, min. | 0.5 mm ² | | |
| Connection cross-section, stranded, max. | 10 mm ² | | |
| Connection cross-section, stranded, min. | 0.5 mm ² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A6 | | |
| Number of connections | 1 | | |
| Stripping length | 18 mm | | |
| Tube length for twin wire-end ferrule | Tube length | nominal | 18 mm |
| | Cross-section for conductor connection | min. | 0.75 mm ² |
| | | max. | 1 mm ² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| max. | | 4 mm ² | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 4 mm ² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| max. | | 10 mm ² | |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | nominal | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 10 mm ² |
| Twin wire-end ferrules, max. | 4 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | PUSH IN | | |
| Wire connection cross section AWG, max. | AWG 6 | | |
| Wire connection cross section AWG, min. | AWG 20 | | |
| Wire connection cross section, finely stranded, max. | 10 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 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. | 10 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 10 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|----------------------------------|---|-------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 6 |
| Wire connection cross section AWG, min. | AWG 20 | | |

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Rating data

| | | | |
|--|--------------------|---------------------------------|----------------------------------|
| Rated cross-section | 10 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Rated current | 57 A |
| Current at maximum wires | 57 A | Standards | In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.56 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 1.82 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) | 20 AWG | Conductor size Field wiring max. (cURus) | 6 AWG |
| Conductor size Field wiring min. (cURus) | 20 AWG | Current size B (cURus) | 51 A |
| Current size C (cURus) | 51 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 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-25-01-01 |

Environmental Product Compliance

REACH SVHC /

Approvals

Approvals



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

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Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate CCC Ex Certificate 20-AV4BO-0271U CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Tender specification | Klippon® Connect 1988180000 DE Klippon® Connect 1988180000 EN |
| User Documentation | NTI AAP12 StorageConditionsTerminalBlocks AAP Terminal Blocks for control voltage distribution User Manual AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

