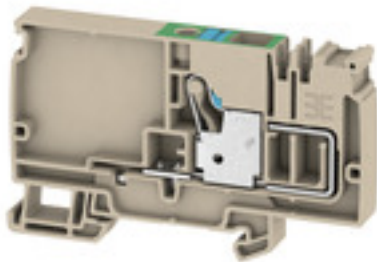


AAP12 10 FE**Weidmüller Interface GmbH & Co. KG**

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, dark beige |
| Order No. | 1988200000 |
| Type | AAP12 10 FE |
| GTIN (EAN) | 4050118372847 |
| Qty. | 20 pc(s). |

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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 | 30.715 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 |
| Wire cross section max. (ATEX) | 10 mm ² | 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

| | | | |
|---------------------|-------|-------------------|---------|
| 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 | 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 (rated connection)

| | |
|--|---------------------|
| Blade size | 1.0 x 5.5 mm |
| Clamping range, max. | 10 mm ² |
| 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 | 2 |
| Stripping length | 18 mm |

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| | | | |
|---|--|---------|----------------------|
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.75 mm ² |
| | | max. | 1 mm ² |
| | Tube length | nominal | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | | max. | 4 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | | max. | 4 mm ² |
| | Tube length | min. | 18 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Twin wire-end ferrules, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Twin wire-end ferrules, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Type of connection | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross section AWG, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross section AWG, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross section, finely stranded, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross section, finely stranded, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, solid core, max. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| Wire connection cross-section, solid core, min. | | max. | 10 mm ² |
| | Tube length | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |

General

| | | | |
|---|----------------------------------|---|-------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | In accordance with IEC 60947-7-2 | Wire connection cross section AWG, max. | AWG 6 |
| Wire connection cross section AWG, min. | AWG 20 | | |

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Technical data

Rating data

| | | | |
|--|--------------------|---------------------------------|----------------------------------|
| Rated cross-section | 10 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Standards | In accordance with IEC 60947-7-2 |
| 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 | 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 |

Approvals

Approvals



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

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www.weidmueller.com**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 |
| | CE Declaration of Conformity |
| | UKCA declaration of conformity |
| Engineering Data | Confirmation of Standards EN 45545-2_2020-10 |
| | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Tender specification | Klippon® Connect 1988200000 DE |
| | Klippon® Connect 1988200000 EN |
| User Documentation | NTI AAP12 |
| | StorageConditionsTerminalBlocks |
| | AAP Terminal Blocks for control voltage distribution |
| | User Manual AXC PE |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

