

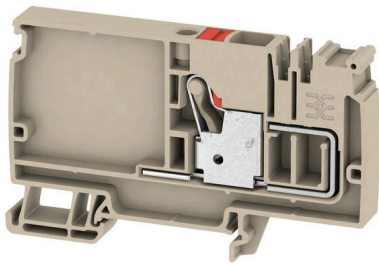
AAP12 10 LO RD**Weidmüller Interface GmbH & Co. KG**

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. | 1988190000 |
| Type | AAP12 10 LO RD |
| GTIN (EAN) | 4050118372793 |
| Qty. | 20 items |

AAP12 10 LO RD

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 53.5 mm | Depth (inches) | 2.1063 inch |
| Depth including DIN rail | 54 mm | Height | 89 mm |
| Height (inches) | 3.5039 inch | Width | 10 mm |
| Width (inches) | 0.3937 inch | Net weight | 25.34 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|--------------------------------|-------|---------------------------|------------|
| Basic material | Wemid | Colour | dark beige |
| Colour of operational elements | red | 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 | Mounting rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|-------------------|----|----------------|---------|
| With snap-in pegs | No | Open sides | right |
| Snap-on | No | Type of fixing | Snap-on |

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| | | | |
|---------------------|-------|--------------------------|-----|
| Installation advice | Rail | Explosion-tested version | Yes |
| Type of mounting | TS 35 | | |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|-----------------|
| Wire cross section max. (CSA) | 6 AWG | Voltage size C (CSA) | 600 V |
| Current size C (CSA) | 51 A | Certificate No. (CSA) | 200039-70089609 |
| Voltage size B (CSA) | 600 V | Current size B (CSA) | 51 A |
| Voltage size D (CSA) | 600 V | Current size D (CSA) | 5 A |
| Wire cross section min. (CSA) | 20 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

| | | | |
|---|--|------|---------------------|
| Gauge to IEC 60947-1 | A6 | | |
| Wire connection cross section AWG, max. | AWG 6 | | |
| Connection direction | top | | |
| Stripping length | 18 mm | | |
| Type of connection | PUSH IN | | |
| Number of connections | 1 | | |
| Clamping range, max. | 16 mm ² | | |
| Clamping range, min. | 0.5 mm ² | | |
| Blade size | 1.0 x 5.5 mm | | |
| Wire connection cross section AWG, min. | AWG 20 | | |
| 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, 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, max. | 10 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Connection cross-section, stranded, max. | 16 mm ² | | |
| Connection cross-section, stranded, min. | 0.5 mm ² | | |
| Twin wire-end ferrules, max. | 4 mm ² | | |
| Twin wire-end ferrules, 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 | | |
| Connection cross-section, finely stranded, max. | 16 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 | min. | 12 mm |

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| | | | |
|---|--|-------------------|----------------------|
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 6 mm ² |
| | | max. | 10 mm ² |
| 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 | min. | 12 mm |
| | | max. | 18 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| max. | | 4 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 |

General

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

Rating data

| | | | |
|--|--------------------|---------------------------------|----------------------------------|
| Rated cross-section | 10 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Nominal 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 | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 6 AWG | Voltage size B (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 20 AWG | Conductor size Factory wiring min. (cURus) | 20 AWG |
| Current size B (cURus) | 51 A | Voltage size C (cURus) | 600 V |
| Current size C (cURus) | 51 A | Current size D (cURus) | 5 A |
| Conductor size Field wiring max. (cURus) | 6 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 | | |

Drawings

