

AAP11 6/6X1.5 LO-LI 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 | Modular distribution terminals, PUSH IN, 6 mm ² , 500 V, 41 A, dark beige |
| Order No. | 2464690000 |
| Type | AAP11 6/6X1.5 LO-LI RD |
| GTIN (EAN) | 4050118479461 |
| Qty. | 20 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|-----------|
| Depth | 47 mm | Depth (inches) | 1.85 inch |
| Depth including DIN rail | 48 mm | Height | 85.5 mm |
| Height (inches) | 3.366 inch | Width | 8.1 mm |
| Width (inches) | 0.319 inch | Net weight | 19.811 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 | orange | UL 94 flammability rating | V-0 |

Rating data IECEx/ATEX

| | | | |
|--------------------|---------------|---------------------|----------|
| 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 | 7 |
| 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 | Type of fixing | Snap-on |
| Type of mounting | TS 35 | | |

CSA rating data

| | | | |
|-------------------------------|-----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-70089609 | Current size B (CSA) | 38 A |
| Current size C (CSA) | 38 A | Current size D (CSA) | 10 A |
| Voltage size B (CSA) | 300 V | Voltage size C (CSA) | 300 V |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

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Conductors for clamping (additional connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size, additional connection | 0.4 x 2.0 mm | Clamping range, further connection, max. | 1.5 mm ² |
| Clamping range, further connection, min. | 0.14 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm ² |
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible, further connection, min. | 0.5 mm ² |
| Connection direction | top | Connection type, additional connection | PUSH IN |
| Cross-section for connected wire, flexible, further connection, max. | 1.5 mm ² | Cross-section for connected wire, multi-core, further connection, max. | 1.5 mm ² |
| Cross-section for connected wire, multi-core, further connection, min. | 0.5 mm ² | Cross-section for connected wire, solid-core, further connection, max. | 1.5 mm ² |
| Cross-section for connected wire, solid-core, further connection, min. | 0.5 mm ² | Number of connections, additional connection | 6 |
| Rated cross-section, further connection | 1.5 mm ² | Rated current, additional connection | 17.5 A |
| Stripping length, additional connection | 8 mm | | |

Conductors for clamping (rated connection)

| | | | |
|--|--|---------------------|----------------------|
| Blade size | 1.0 x 5.5 mm | | |
| Clamping range, max. | 6 mm ² | | |
| Clamping range, min. | 0.34 mm ² | | |
| Connection cross-section, stranded, max. | 6 mm ² | | |
| Connection cross-section, stranded, min. | 0.5 mm ² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A5 | | |
| Number of connections | 1 | | |
| Stripping length | 12 mm | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| | | nominal | 0.75 mm ² |
| | Tube length | min. | 10 mm |
| | | max. | 18 mm |
| nominal | | 1 mm ² | |
| Tube length | min. | 12 mm | |
| | max. | 18 mm | |
| | nominal | 1.5 mm ² | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.5 mm ² |
| | Tube length | max. | 1 mm ² |
| | | min. | 10 mm |
| | | max. | 12 mm |
| | Tube length | nominal | 1.5 mm ² |
| | | min. | 10 mm |
| max. | | 18 mm | |
| Tube length | nominal | 2.5 mm ² | |
| | min. | 12 mm | |
| | max. | 18 mm | |
| Tube length | min. | 4 mm ² | |
| | max. | 6 mm ² | |
| | min. | 10 mm | |
| Tube length | max. | 18 mm | |

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|---|--|--------------------|---------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 2.5 mm ² |
| | Tube length | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 4 mm ² |
| | Tube length | min. | 12 mm |
| | max. | 18 mm | |
| Cross-section for conductor connection | min. | 6 mm ² | |
| | max. | 10 mm ² | |
| Tube length | min. | 10 mm | |
| | max. | 18 mm | |
| Twin wire-end ferrules, max. | 1.5 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | PUSH IN | | |
| Wire connection cross section, finely stranded, max. | 6 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. | 6 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. | 6 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. | 6 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---------------------|---------------|------|-------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | IEC 60947-7-1 | | |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 6 mm ² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Rated current | 41 A |
| Current at maximum wires | 41 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 1.31 W | Pollution severity | 3 |

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Technical data

UL rating data

| | | | |
|--|--------|--|-------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 8 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Current size B (cURus) | 38 A |
| Current size C (cURus) | 38 A | Current size D (cURus) | 10 A |
| Voltage size B (cURus) | 300 V | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 300 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 |
| ECLASS 14.0 | 27-25-01-01 | | |

Environmental Product Compliance

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

Important note

| | |
|---------------------|---|
| Product information | The applicable safety regulations for the overload and short-circuit of the connected conductors must be followed. The total current of all connected conductors must not exceed the max. load current. |
|---------------------|---|

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNVGL certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | AAP Terminal Blocks for control voltage distribution User Manual AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |

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Drawings

