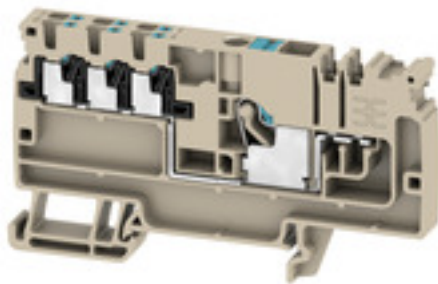


**AAP11 6/6X1.5 LO-LI BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| Version    | Modular distribution terminals, PUSH IN, 6 mm <sup>2</sup> , 500 V, 41 A, dark beige |
| Order No.  | <a href="#">2464750000</a>                                                           |
| Type       | AAP11 6/6X1.5 LO-LI BL                                                               |
| GTIN (EAN) | 4050118479362                                                                        |
| 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 | Net weight     | 19 g       |
| Width                    | 8.1 mm     | Width (inches) | 0.319 inch |

## 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

|                    |               |                     |          |
|--------------------|---------------|---------------------|----------|
| 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     | PE connection                       | No  |
| Rail                          | TS 35 | N-function                          | Yes |
| PE function                   | No    | PEN function                        | No  |

## Additional technical data

|                     |         |                  |       |
|---------------------|---------|------------------|-------|
| Installation advice | Rail    | Open sides       | right |
| Type of fixing      | Snap-on | Type of mounting | TS 35 |

## Conductors for clamping (additional connection)

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

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## Technical data

|                                                                                         |                                        |         |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Clamping range, min.                                                                    | 0.34 mm <sup>2</sup>                   |         |                      |
| Connection cross-section, stranded, max.                                                | 6 mm <sup>2</sup>                      |         |                      |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>                    |         |                      |
| Connection direction                                                                    | top                                    |         |                      |
| Gauge to IEC 60947-1                                                                    | A5                                     |         |                      |
| Number of connections                                                                   | 1                                      |         |                      |
| Stripping length                                                                        | 12 mm                                  |         |                      |
| Tube length for AEH with plastic collar DIN 46228/4                                     | Tube length                            | max.    | 12 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 4 mm <sup>2</sup>    |
|                                                                                         |                                        | max.    | 6 mm <sup>2</sup>    |
| Tube length for AEH without plastic collar DIN 46228/1                                  | Tube length                            | nominal | 10 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                                                         | Tube length                            | max.    | 18 mm <sup>2</sup>   |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup>  |
|                                                                                         |                                        | max.    | 2.5 mm <sup>2</sup>  |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>    |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 6 mm <sup>2</sup>    |
| Tube length for twin wire-end ferrule                                                   | Tube length                            | max.    | 12 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         | Tube length                            | max.    | 18 mm                |
|                                                                                         |                                        | min.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | max.    | 1.5 mm <sup>2</sup>  |
| Twin wire-end ferrules, max.                                                            | 1.5 mm <sup>2</sup>                    |         |                      |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>                    |         |                      |
| Type of connection                                                                      | PUSH IN                                |         |                      |
| Wire connection cross section, finely stranded, max.                                    | 6 mm <sup>2</sup>                      |         |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm <sup>2</sup>                      |         |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>                    |         |                      |

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 6 mm<sup>2</sup>

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 0.5 mm<sup>2</sup>

Wire connection cross-section, solid core, max. 6 mm<sup>2</sup>

Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## General

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

## Rating data

|                                 |                   |                                              |         |
|---------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated 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                 |                                              |         |

## 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    |
| 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 |

## 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



UL File Number Search E60693

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## Technical data

### Downloads

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>                              |
| Engineering Data                            | <a href="#">STEP</a>                                                   |
| User Documentation                          | <a href="#">PI Klippon AAP DE</a><br><a href="#">PI Klippon AAP EN</a> |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                               |

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## Drawings

