

**SET AAP11 6/1.5/12C****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, 35 A, dark beige |
| Order No.  | <a href="#">2506090000</a>                                                           |
| Type       | SET AAP11 6/1.5/12C                                                                  |
| GTIN (EAN) | 4050118520873                                                                        |
| Qty.       | 1 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     | 73.547 g   |
| Width                    | 35 mm      | Width (inches) | 1.378 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 | red   | 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      | No | Number of potentials                | 2     |
| Number of levels              | 1  | Number of clamping points per level | 26    |
| Number of potentials per tier | 2  | 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 |
| 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  |
| Clamping range, further connection, min.                                                    | 0.14 mm      | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1 mm    |
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm       | Conductor cross-section, flexible, further connection, min.                                 | 0.5 mm  |
| Connection direction                                                                        | top          | Connection type, additional connection                                                      | PUSH IN |
| Cross-section for connected wire, AWG, additional connection, max.                          | AWG 14       | Cross-section for connected wire, AWG, additional connection, min.                          | AWG 26  |
| Cross-section for connected wire, flexible, further connection, max.                        | 1.5 mm       | Cross-section for connected wire, multi-core, further connection, max.                      | 1.5 mm  |
| Cross-section for connected wire, multi-core, further connection, min.                      | 0.5 mm       | Cross-section for connected wire, solid-core, further connection, max.                      | 1.5 mm  |
| Cross-section for connected wire, solid-core, further connection, min.                      | 0.5 mm       | Rated cross-section, further connection                                                     | 1.5 mm  |
| Stripping length, additional connection                                                     | 8 mm         |                                                                                             |         |

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## Conductors for clamping (rated connection)

|                                                        |                                        |         |                      |
|--------------------------------------------------------|----------------------------------------|---------|----------------------|
| Blade size                                             | 1.0 x 5.5 mm                           |         |                      |
| Clamping range, max.                                   | 6 mm <sup>2</sup>                      |         |                      |
| 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                            | min.    | 10 mm                |
|                                                        |                                        | max.    | 12 mm                |
|                                                        | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                        |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                        | Tube length                            | min.    | 10 mm                |
|                                                        |                                        | max.    | 18 mm                |
|                                                        | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                        |                                        |         |                      |
|                                                        | Tube length                            | min.    | 12 mm                |
|                                                        |                                        | max.    | 18 mm                |
|                                                        | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                        |                                        |         |                      |
| Tube length for AEH without plastic collar DIN 46228/1 | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                        |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                        | Tube length                            | nominal | 10 mm                |
|                                                        |                                        |         |                      |
|                                                        | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup>  |
|                                                        |                                        | max.    | 2.5 mm <sup>2</sup>  |
|                                                        | Tube length                            | min.    | 10 mm                |
|                                                        |                                        | max.    | 18 mm <sup>2</sup>   |
|                                                        | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>    |
|                                                        |                                        |         |                      |
|                                                        | Tube length                            | min.    | 12 mm                |
|                                                        |                                        | max.    | 18 mm                |
| Tube length for twin wire-end ferrule                  | Cross-section for conductor connection | min.    | 10 mm                |
|                                                        |                                        | max.    | 12 mm                |
|                                                        | Tube length                            | nominal | 0.5 mm <sup>2</sup>  |
|                                                        |                                        |         |                      |
|                                                        | Cross-section for conductor connection | min.    | 10 mm                |
|                                                        |                                        | max.    | 18 mm                |
|                                                        | Tube length                            | min.    | 12 mm                |
|                                                        |                                        | max.    | 18 mm                |
|                                                        | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                        |                                        |         |                      |
|                                                        | Tube length                            | min.    | 12 mm                |
|                                                        |                                        | max.    | 18 mm                |
| Twin wire-end ferrules, max.                           | Cross-section for conductor connection | min.    | 1 mm <sup>2</sup>    |
|                                                        |                                        | 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 AWG, max.                | AWG 8                                  |         |                      |
| Wire connection cross section AWG, min.                | AWG 22                                 |         |                      |

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|                                                                                         |                     |
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| 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> |
| 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                               | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 22                           |                                         |       |

## Rating data

|                                              |         |                                 |                                  |
|----------------------------------------------|---------|---------------------------------|----------------------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.31 W  | Rated cross-section             | 6 mm <sup>2</sup>                |
| Rated voltage                                | 500 V   | Rated current                   | 35 A                             |
| Current at maximum wires                     | 35 A    | Standards                       | In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ | Rated impulse withstand voltage | 6 kV                             |
| Pollution severity                           | 3       | Surge voltage category          | III                              |

## 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 |

## Approvals

Approvals



## Downloads

|                                             |                                                    |
|---------------------------------------------|----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE PT0205 20180316 013 ISSUE01.pdf</a> |
| Engineering Data                            | <a href="#">STEP</a>                               |
| Engineering Data                            | <a href="#">EPLAN</a>                              |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>    |

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