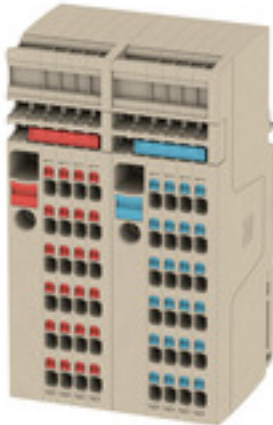


**SET AAP11 6/1.5/24C****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 500 V, 41 A, dark beige |
| Order No.  | <a href="#">2506370000</a>                                                           |
| Type       | SET AAP11 6/1.5/24C                                                                  |
| GTIN (EAN) | 4050118520750                                                                        |
| 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 | Width          | 49 mm     |
| Width (inches)           | 1.929 inch | Net weight     | 107.855 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 | 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 | 50    |
| 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 <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 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, 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 <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>  | Rated cross-section, further connection                                                     | 1.5 mm <sup>2</sup> |
| Stripping length, additional connection                                                     | 8 mm                 |                                                                                             |                     |

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## Technical data

## 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 twin wire-end ferrule                               | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                     | Tube length                            | max.    | 12 mm                |
|                                                                     |                                        | min.    | 10 mm                |
|                                                                     | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                     | Tube length                            | max.    | 18 mm                |
|                                                                     |                                        | min.    | 10 mm                |
|                                                                     | Cross-section for conductor connection | min.    | 1 mm <sup>2</sup>    |
|                                                                     |                                        | max.    | 1.5 mm <sup>2</sup>  |
|                                                                     | Tube length                            | max.    | 18 mm                |
|                                                                     |                                        | min.    | 12 mm                |
|                                                                     | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                     |                                        | max.    | 1 mm <sup>2</sup>    |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4    | Tube length                            | max.    | 12 mm                |
|                                                                     |                                        | min.    | 10 mm                |
|                                                                     | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                     | Tube length                            | max.    | 18 mm                |
|                                                                     |                                        | min.    | 10 mm                |
|                                                                     | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                     |                                        | max.    | 18 mm                |
|                                                                     | Tube length                            | min.    | 12 mm                |
|                                                                     |                                        | max.    | 18 mm                |
|                                                                     | Cross-section for conductor connection | min.    | 4 mm <sup>2</sup>    |
|                                                                     |                                        | max.    | 6 mm <sup>2</sup>    |
|                                                                     | Tube length                            | max.    | 18 mm                |
|                                                                     |                                        | min.    | 10 mm                |
| Tube length for wire-end ferrule 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                |
|                                                                     |                                        | 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>    |
|                                                                     |                                        | max.    | 18 mm                |
|                                                                     | Tube length                            | min.    | 10 mm                |
|                                                                     |                                        | max.    | 10 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 AWG, max.                             | AWG 8                                  |         |                      |
| Wire connection cross section AWG, min.                             | AWG 22                                 |         |                      |

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|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded, max.                                    | 6 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded, min.                                    | 0.5 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

|                                              |                   |                                 |                                  |
|----------------------------------------------|-------------------|---------------------------------|----------------------------------|
| Rated cross-section                          | 6 mm <sup>2</sup> | Rated voltage                   | 500 V                            |
| Rated DC voltage                             | 500 V             | Rated current                   | 41 A                             |
| Current at maximum wires                     | 41 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                             |
| Power loss in accordance with IEC 60947-7-x  | 1.31 W            | Pollution severity              | 3                                |
| Surge voltage category                       | III               |                                 |                                  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001284    | ETIM 7.0    | EC001284    |
| ETIM 8.0    | EC001284    | ETIM 9.0    | EC001284    |
| ECLASS 9.0  | 27-14-11-06 | ECLASS 9.1  | 27-14-11-06 |
| ECLASS 10.0 | 27-14-11-06 | ECLASS 11.0 | 27-14-11-06 |
| ECLASS 12.0 | 27-14-11-06 | ECLASS 13.0 | 27-14-11-06 |

## Approvals

Approvals



## SET AAP11 6/1.5/24C

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                                           |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE PT0205 20180316 014 ISSUE01.pdf</a><br><a href="#">DNVGL certificate</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                           |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">User Manual AXC 1.5-16</a>                                                                                                                 |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                  |