

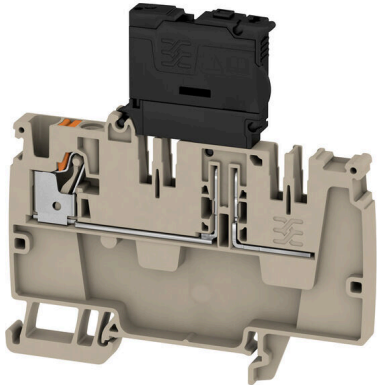
**AAP21 4 FS OR****Weidmüller Interface GmbH & Co. KG**

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, 4 mm <sup>2</sup> , 500 V, 6.3 A, dark beige |
| Order No.  | <a href="#">2581720000</a>  |
| Type       | AAP21 4 FS OR   |
| GTIN (EAN) | 4050118590821   |
| Qty.       | 50 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 82 mm       | Depth (inches) | 3.2283 inch |
| Depth including DIN rail | 82.5 mm     | Height         | 82 mm       |
| Height (inches)          | 3.2283 inch | Width          | 6.1 mm      |
| Width (inches)           | 0.2402 inch | Net weight     | 18.4 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 |
| UL 94 flammability rating | V-0   |        |            |

## Rating data IECEx/ATEX

|                        |                 |                                 |                   |
|------------------------|-----------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | TUEV17ATEX8064U | Certificate No. (IECEX)         | IECEXTUR17.0030U  |
| Current (ATEX)         | 6.3 A           | Wire cross section max. (ATEX)  | 4 mm <sup>2</sup> |
| Current (IECEX)        | 6.3 A           | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| 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 | 2     |
| Levels cross-connected internally | No  | Mounting rail                       | TS 35 |

## Additional technical data

|                     |       |                          |         |
|---------------------|-------|--------------------------|---------|
| With snap-in pegs   | No    | Open sides               | right   |
| Snap-on             | No    | Type of fixing           | Snap-on |
| Installation advice | Rail  | Explosion-tested version | Yes     |
| Type of mounting    | TS 35 |                          |         |

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### CSA rating data

|                               |        |                       |                 |
|-------------------------------|--------|-----------------------|-----------------|
| Wire cross section max. (CSA) | 10 AWG | Voltage size C (CSA)  | 150 V           |
| Current size C (CSA)          | 10 A   | Certificate No. (CSA) | 200039-70089609 |
| Voltage size B (CSA)          | 300 V  | Current size B (CSA)  | 10 A            |
| Voltage size D (CSA)          | 300 V  | Current size D (CSA)  | 10 A            |
| Wire cross section min. (CSA) | 26 AWG |                       |                 |

### Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

### Conductors for clamping (rated connection)

|   |  |      |                     |
|---|--|------|---------------------|
| Gauge to IEC 60947-1  | A4                                     |      |                     |
| Wire connection cross section AWG, max.   | AWG 12                                 |      |                     |
| Connection direction  | top                                    |      |                     |
| Stripping length  | 12 mm                                  |      |                     |
| Type of connection  | PUSH IN                                |      |                     |
| Number of connections   | 1                                      |      |                     |
| Clamping range, max.  | 4 mm <sup>2</sup>                      |      |                     |
| Clamping range, min.  | 0.14 mm <sup>2</sup>                   |      |                     |
| Blade size  | 0.6 x 3.5 mm                           |      |                     |
| Wire connection cross section AWG, min.   | AWG 26                                 |      |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>                      |      |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm <sup>2</sup>                   |      |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>                      |      |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.14 mm <sup>2</sup>                   |      |                     |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>                      |      |                     |
| Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup>                   |      |                     |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>                      |      |                     |
| Connection cross-section, stranded, min.  | 0.14 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>                    |      |                     |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>                      |      |                     |
| Wire connection cross-section, solid core, min.   | 0.14 mm <sup>2</sup>                   |      |                     |
| Connection cross-section, finely stranded, min.   | 0.14 mm <sup>2</sup>                   |      |                     |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Tube length                            | min. | 6 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. | 8 mm                |
|   |  | max. | 12 mm               |
|   | Cross-section for conductor connection | min. | 1.5 mm <sup>2</sup> |

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|   |  |         |                     |
|---|--|---------|---------------------|
|   | Tube length                            | max.    | 2.5 mm <sup>2</sup> |
|   |  | min.    | 10 mm               |
|   |  | max.    | 12 mm               |
| Tube length for twin wire-end ferrule                               | Tube length                            | nominal | 4 mm <sup>2</sup>   |
|   |  | min.    | 8 mm                |
|   |  | max.    | 12 mm               |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1.5 mm <sup>2</sup> |
|   |  | min.    | 6 mm                |
|   | Cross-section for conductor connection | max.    | 10 mm               |
|   |  | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1 mm <sup>2</sup>   |
|   | Tube length                            | min.    | 7 mm                |
|   |  | max.    | 12 mm               |
|   |  | min.    | 1.5 mm <sup>2</sup> |
|   | Cross-section for conductor connection | max.    | 2.5 mm <sup>2</sup> |
|   |  | min.    | 9 mm                |
|   |  | max.    | 15 mm               |
|   | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |

### General

|   |        |                     |               |
|---|--------|---------------------|---------------|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Rail          |
| Wire connection cross section AWG, min. | AWG 26 | Standards           | IEC 60947-7-3 |
| Mounting rail                           | TS 35  |                     |               |

### Rating data

|                                     |                   |  |        |
|-------------------------------------|-------------------|--|--------|
| Rated cross-section                 | 4 mm <sup>2</sup> | Rated voltage                                | 500 V  |
| Rated voltage to adjoining terminal | 500 V             | Rated DC voltage                             | 500 V  |
| Nominal current                     | 6.3 A             | Current at maximum wires                     | 6.3 A  |
| Standards                           | IEC 60947-7-3     | Volume resistance according to IEC 60947-7-x | 1 mΩ   |
| Rated impulse withstand voltage     | 4 kV              | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| Surge voltage category              | III               | Pollution severity                           | 2      |

### UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 10 AWG | Voltage size B (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  | Certificate No. (cURus)                    | E60693 |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Current size B (cURus)                     | 10 A   | Voltage size C (cURus)                     | 150 V  |
| Current size C (cURus)                     | 10 A   | Current size D (cURus)                     | 10 A   |
| Conductor size Field wiring max. (cURus)   | 10 AWG |  |        |

### Important note

|                     |  |
|---------------------|--|
| Product information | The voltage depends on the selected fuse element or the selected indicator light |
|---------------------|--|

### 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

