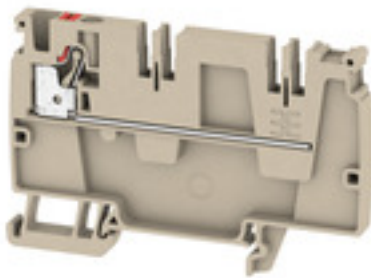


**AAP21 4 LI RD****Weidmüller Interface GmbH & Co. KG**

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, 4 mm <sup>2</sup> , 250 V, 32 A, dark beige |
| Order No.  | <a href="#">2428930000</a>                                                           |
| Type       | AAP21 4 LI RD                                                                        |
| GTIN (EAN) | 4050118438277                                                                        |
| Qty.       | 50 pc(s).                                                                            |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 53.5 mm    | Depth (inches) | 2.106 inch |
| Depth including DIN rail | 54 mm      | Height         | 82 mm      |
| Height (inches)          | 3.228 inch | Net weight     | 12.09 g    |
| Width                    | 6.1 mm     | Width (inches) | 0.24 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

|                                |                   |                                 |                   |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV17ATEX8063U   | Certificate No. (IECEX)         | IECEXTUR17.0029U  |
| Max. voltage (ATEX)            | 250 V             | Current (ATEX)                  | 32 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup> | Max. voltage (IECEX)            | 250 V             |
| Current (IECEX)                | 32 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 | 1     |
| 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

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

## CSA rating data

|                               |                 |                               |        |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-70089609 | Current size B (CSA)          | 20 A   |
| Current size C (CSA)          | 20 A            | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 300 V           | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V           | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## Conductors for clamping (rated connection)

|                                          |                      |
|------------------------------------------|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 4 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 4 mm <sup>2</sup>    |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |

Creation date March 26, 2021 11:19:20 PM CET

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## Technical data

|                                                                                         |                                        |                   |                     |
|-----------------------------------------------------------------------------------------|----------------------------------------|-------------------|---------------------|
| Gauge to IEC 60947-1                                                                    | A4                                     |                   |                     |
| Number of connections                                                                   | 1                                      |                   |                     |
| Stripping length                                                                        | 12 mm                                  |                   |                     |
| Tube length for AEH with plastic collar<br>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> |
|                                                                                         |                                        | max.              | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min.              | 10 mm               |
| max.                                                                                    |                                        | 12 mm             |                     |
| Cross-section for conductor connection                                                  | nominal                                | 4 mm <sup>2</sup> |                     |
| Tube length for AEH without plastic collar<br>DIN 46228/1                               | Cross-section for conductor connection | min.              | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.              | 1 mm <sup>2</sup>   |
|                                                                                         | Tube length                            | min.              | 6 mm                |
|                                                                                         |                                        | max.              | 10 mm               |
|                                                                                         | Cross-section for conductor connection | min.              | 1.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.              | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min.              | 7 mm                |
|                                                                                         |                                        | max.              | 12 mm               |
|                                                                                         | Cross-section for conductor connection | nominal           | 4 mm <sup>2</sup>   |
| Tube length                                                                             | min.                                   | 9 mm              |                     |
|                                                                                         | max.                                   | 15 mm             |                     |
| Tube length for twin wire-end ferrule                                                   | Tube length                            | min.              | 8 mm                |
|                                                                                         |                                        | max.              | 12 mm               |
|                                                                                         | Cross-section for conductor connection | min.              | 0.5 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 AWG, max.                                                 | AWG 12                                 |                   |                     |
| Wire connection cross section AWG, min.                                                 | AWG 26                                 |                   |                     |
| Wire connection cross section, finely stranded, max.                                    | 4 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. | 0.5 mm <sup>2</sup>                    |                   |                     |
| 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. | 0.5 mm <sup>2</sup>                    |                   |                     |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>                      |                   |                     |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>                    |                   |                     |

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## Technical data

## General

|                                         |                                  |                                         |        |
|-----------------------------------------|----------------------------------|-----------------------------------------|--------|
| Installation advice                     | Rail                             | Rail                                    | TS 35  |
| Standards                               | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26                           |                                         |        |

## Rating data

|                                              |        |                                 |                                  |
|----------------------------------------------|--------|---------------------------------|----------------------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.02 W | Rated cross-section             | 4 mm <sup>2</sup>                |
| Rated voltage                                | 250 V  | Rated current                   | 32 A                             |
| Current at maximum wires                     | 32 A   | Standards                       | In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ   | Rated impulse withstand voltage | 4 kV                             |
| Pollution severity                           | 3      | Surge voltage category          | III                              |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 300 V  | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

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## Technical data

### Downloads

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECEX TUR 17.0030U.pdf</a>          |
|                                             | <a href="#">ATEX Certificate</a>                |
|                                             | <a href="#">ATEX Certificate</a>                |
|                                             | <a href="#">Attestation of Conformity</a>       |
|                                             | <a href="#">IECEX Certificate</a>               |
|                                             | <a href="#">DNVGL certificate</a>               |
|                                             | <a href="#">MARITREG certificate</a>            |
|                                             | <a href="#">CCC Ex Certificate</a>              |
| Engineering Data                            | <a href="#">Declaration of Conformity</a>       |
|                                             | <a href="#">STEP</a>                            |
| Engineering Data                            | <a href="#">EPLAN</a>                           |
| Tender specification                        | <a href="#">Klippon® Connect 2428930000 DE</a>  |
|                                             | <a href="#">Klippon® Connect 2428930000 EN</a>  |
| User Documentation                          | <a href="#">NTI AAP 21 10...</a>                |
|                                             | <a href="#">NTI AAP 21 4 FS</a>                 |
|                                             | <a href="#">NTI AAP 21 4 DT</a>                 |
|                                             | <a href="#">NTI AAP21 4 LI</a>                  |
|                                             | <a href="#">StorageConditionsTerminalBlocks</a> |
|                                             | <a href="#">PI Klippon AAP DE</a>               |
|                                             | <a href="#">PI Klippon AAP EN</a>               |

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## Drawings

