

**A-series**  
**AAP12 2.5 LI RD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

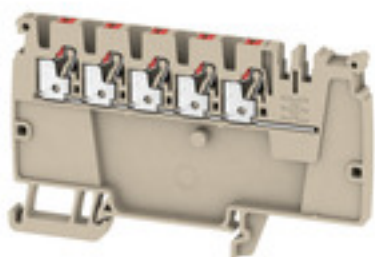
D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com

**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**

|            |                                                                                        |
|------------|----------------------------------------------------------------------------------------|
| Type       | AAP12 2.5 LI RD                                                                        |
| Order No.  | <a href="#">1988290000</a>                                                             |
| Version    | Modular distribution terminals, PUSH IN, 2.5 mm <sup>2</sup> , 800 V, 24 A, Dark Beige |
| GTIN (EAN) | 4050118372779                                                                          |
| Qty.       | 50 pc(s).                                                                              |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height                   | 89 mm   | Height (inches) | 3.504 inch |
| Depth                    | 53.5 mm | Depth (inches)  | 2.106 inch |
| Depth including DIN rail | 54 mm   | Net weight      | 12.67 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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)         | TUEV17ATEX8031U     | Certificate No. (IECEX)         | IECEXTUR17.0016U    |
| Max. voltage (ATEX)            | 690 V               | Current (ATEX)                  | 20 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 690 V               |
| Current (IECEX)                | 20 A                | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |

**System specifications**

|                               |     |                                   |       |
|-------------------------------|-----|-----------------------------------|-------|
| End cover plate required      | Yes | Number of potentials              | 1     |
| Number of levels              | 1   | No. of clamping points per level  | 5     |
| Number of potentials per tier | 1   | Levels cross-connected internally | No    |
| PE connection                 | No  | Mounting rail                     | TS 35 |
| N-function                    | No  | PE function                       | No    |
| PEN function                  | No  |                                   |       |

**Additional technical data**

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

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                         |                     |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------|
| Blade size                                                                              | 0.6 x 3.5 mm        | Clamping range, max.                                                                    | 2.5 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup> | Connection direction                                                                    | top                  |
| Gauge to IEC 60947-1                                                                    | A3                  | Number of connections                                                                   | 5                    |
| Stripping length                                                                        | 10 mm               | Twin wire-end ferrules, max.                                                            | 0.75 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 28               |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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. | 2.5 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.                                         | 2.5 mm <sup>2</sup> | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>  |

**Rating data**

|                     |                       |                                 |       |
|---------------------|-----------------------|---------------------------------|-------|
| Rated cross-section | 2.5 mm <sup>2</sup>   | Rated voltage                   | 800 V |
| Rated current       | 24 A                  | Current at maximum wires        | 24 A  |
| Standards           | IEC/EN 60947-7-1:2009 | Rated impulse withstand voltage | 8 kV  |
| Pollution severity  | 3                     | Surge voltage category          | III   |

**UL rating data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 600 V  | Voltage size C (cURus)                     | 600 V  |
| Voltage size D (cURus)                     | 600 V  |                                            |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC000897    | eClass 6.2 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Product information**

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Descriptive text technical data | Approval in progress                        |
| Descriptive text accessories    | All MultiMark variants (MM) = strip markers |

**Approvals**

Approvals



ROHS Conform

Creation date July 2, 2018 11:27:46 AM CEST

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT AAP12_2.5_LI.pdf</a><br><a href="#">IECEX TUR 17.0015U_0.pdf</a><br><a href="#">TÜV 17 ATEX 8030_U.pdf</a><br><a href="#">DE_PT0205_20160620_014_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                          |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet****A-series  
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**Drawings**