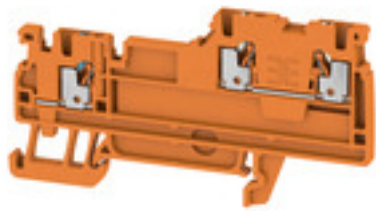


**A-series  
AIO21 1.5 SO OR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Product image****Signal wiring**

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

**General ordering data**

|            |                                                                                   |
|------------|-----------------------------------------------------------------------------------|
| Type       | AIO21 1.5 SO OR                                                                   |
| Order No.  | <a href="#">2579570000</a>                                                        |
| Version    | Initiator/actuator terminal, PUSH IN, 1.5 mm <sup>2</sup> , 250 V, 13.5 A, orange |
| GTIN (EAN) | 4050118588439                                                                     |
| Qty.       | 100 pc(s).                                                                        |

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

|                          |        |                 |            |
|--------------------------|--------|-----------------|------------|
| Width                    | 3.5 mm | Width (inches)  | 0.138 inch |
| Height                   | 80 mm  | Height (inches) | 3.15 inch  |
| Depth                    | 42 mm  | Depth (inches)  | 1.654 inch |
| Depth including DIN rail | 43 mm  | Net weight      | 5.853 g    |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C        |                                  |        |

**Material data**

|                                |             |                           |        |
|--------------------------------|-------------|---------------------------|--------|
| Material                       | Wemid       | Colour                    | orange |
| Colour of operational elements | blue, white | UL 94 flammability rating | V-0    |

**Rating data IECEx/ATEX**

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | TUEV17ATEX8031U     | Certificate No. (IECEX)         | IECEXTUR17.0016U    |
| Max. voltage (ATEX)            | 220 V               | Current (ATEX)                  | 12 A                |
| Wire cross section max. (ATEX) | 1.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 220 V               |
| Current (IECEX)                | 12 A                | Wire cross section max. (IECEX) | 1.5 mm <sup>2</sup> |

**System specifications**

|                          |     |                                   |       |
|--------------------------|-----|-----------------------------------|-------|
| End cover plate required | Yes | Number of potentials              | 2     |
| Number of levels         | 2   | Levels cross-connected internally | No    |
| PE connection            | No  | Rail                              | TS 35 |
| N-function               | Yes | 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 |

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

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.4 x 2.0 mm         | Clamping range, max.                                                                    | 1.5 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 0.14 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 1.5 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A1                   | Number of connections                                                                   | 3                   |
| Stripping length                                                                        | 8 mm                 | Type of connection                                                                      | PUSH IN             |
| Wire connection cross section AWG, max.                                                 | AWG 14               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 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. | 1 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.                                         | 1.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**PE rating data**

|              |    |
|--------------|----|
| PEN function | No |
|--------------|----|

**Rating data**

|                                             |                                  |                                              |         |
|---------------------------------------------|----------------------------------|----------------------------------------------|---------|
| Rated cross-section                         | 1.5 mm <sup>2</sup>              | Rated voltage                                | 250 V   |
| Rated current                               | 13.5 A                           | Current at maximum wires                     | 13.5 A  |
| Standards                                   | In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.12 W                           | Rated impulse withstand voltage              | 4 kV    |
| Pollution severity                          | 3                                | Surge voltage category                       | III     |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC000900    | eClass 6.2 | 27-14-11-28 |
| eClass 9.0 | 27-14-11-28 | eClass 9.1 | 27-14-11-28 |

**Product information**

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Product information | For the wire end ferrules H1/10 and H1.5/10 a stripping length of 10 mm is to apply. |
|---------------------|--------------------------------------------------------------------------------------|

**Approvals**

Approvals

**IEC EX ATEX**

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## Technical data

### Downloads

|                                             |                                                                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">Declaration of conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                            |
| User Documentation                          | <a href="#">NTL_AIO21 1.5 SO</a>                                                                                                                                |

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## Drawings

