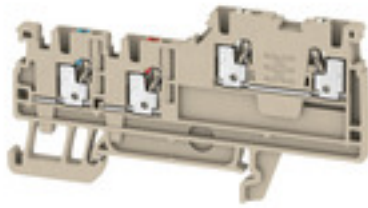


**AIO21 1.5 SI****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[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**

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| Version    | Initiator/actuator terminal, PUSH IN, 1.5 mm <sup>2</sup> , 250 V, 13.5 A, dark beige |
| Order No.  | <a href="#">1992260000</a>                                                            |
| Type       | AIO21 1.5 SI                                                                          |
| GTIN (EAN) | 4050118377446                                                                         |
| Qty.       | 100 pc(s).                                                                            |

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## Technical data

## Dimensions and weights

|                          |           |                |            |
|--------------------------|-----------|----------------|------------|
| Depth                    | 42 mm     | Depth (inches) | 1.654 inch |
| Depth including DIN rail | 43 mm     | Height         | 80 mm      |
| Height (inches)          | 3.15 inch | Net weight     | 6.54 g     |
| Width                    | 3.5 mm    | Width (inches) | 0.138 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 | blue, red, 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> |
| Marking EN 60079-7             | Ex eb II C Gb       | Ex 2014/34/EU label             | II 2 G D            |

## System specifications

|                          |     |                                   |       |
|--------------------------|-----|-----------------------------------|-------|
| End cover plate required | Yes | Number of potentials              | 3     |
| 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   |
| 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 D (CSA)          | 13 A   |
| Voltage size D (CSA)          | 150 V           | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## 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                    | 4                    |
| Stripping length                         | 8 mm                 |

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## Technical data

|                                                                                               |                                        |         |                      |
|-----------------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Tube length for AEH with plastic collar<br>DIN 46228/4                                        | Cross-section for conductor connection | min.    | 0.14 mm <sup>2</sup> |
|                                                                                               |                                        | max.    | 0.75 mm <sup>2</sup> |
|                                                                                               | Tube length                            | min.    | 6 mm                 |
|                                                                                               |                                        | max.    | 8 mm                 |
| Tube length for AEH without plastic<br>collar DIN 46228/1                                     | Tube length                            | min.    | 5 mm                 |
|                                                                                               | Cross-section for conductor connection | nominal | 0.25 mm <sup>2</sup> |
|                                                                                               | Tube length                            | nominal | 6 mm                 |
|                                                                                               | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                               |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                                                               | Tube length                            | nominal | 10 mm                |
|                                                                                               | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
| Type of connection                                                                            | PUSH IN                                |         |                      |
| Wire connection cross section AWG,<br>max.                                                    | AWG 14                                 |         |                      |
| Wire connection cross section AWG,<br>min.                                                    | AWG 26                                 |         |                      |
| Wire connection cross section, finely<br>stranded, max.                                       | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, max. | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, min. | 0.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, max. | 1 mm <sup>2</sup>                      |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, min. | 0.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid<br>core, max.                                            | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid<br>core, min.                                            | 0.5 mm <sup>2</sup>                    |         |                      |

## General

|                                            |                                     |                                            |        |
|--------------------------------------------|-------------------------------------|--------------------------------------------|--------|
| Installation advice                        | Rail                                | Rail                                       | TS 35  |
| Standards                                  | In accordance with IEC<br>60947-7-1 | Wire connection cross section AWG,<br>max. | AWG 14 |
| Wire connection cross section AWG,<br>min. | AWG 26                              |                                            |        |

## Rating data

|                                                 |         |                                 |                                     |
|-------------------------------------------------|---------|---------------------------------|-------------------------------------|
| Power loss in accordance with IEC<br>60947-7-x  | 0.56 W  | 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<br>60947-7-1 |
| Volume resistance according to IEC<br>60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 4 kV                                |
| Pollution severity                              | 3       | Surge voltage category          | III                                 |

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## Technical data

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 14 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 14 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size D (cURus)                     | 13 A   |
| Voltage size D (cURus)                     | 150 V  |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000900    | ETIM 7.0    | EC000900    |
| ECLASS 9.0  | 27-14-11-28 | ECLASS 9.1  | 27-14-11-28 |
| ECLASS 10.0 | 27-14-11-28 | ECLASS 11.0 | 27-14-11-28 |

## Important note

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

## Approvals

Approvals



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

## 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="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">BV certificate</a><br><a href="#">MARITREG certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tender specification                        | <a href="#">Klippon® Connect 1992260000 DE</a><br><a href="#">Klippon® Connect 1992260000 EN</a>                                                                                                                                                                                                                                                                                                                                           |
| User Documentation                          | <a href="#">NTI_AIO21 1.5 SI.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                                                                                                    |

## AI021 1.5 SI

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## Drawings

