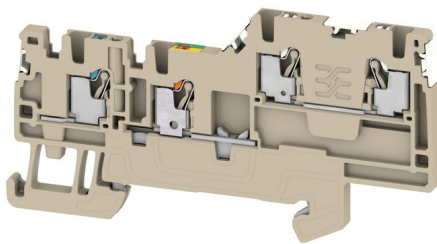


**AIO21 1.5 SO-PE DL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

**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="#">2675600000</a>                                                            |
| Type       | AIO21 1.5 SO-PE DL                                                                    |
| GTIN (EAN) | 4050118733365                                                                         |
| Qty.       | 100 items                                                                             |

## AIO21 1.5 SO-PE DL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 42 mm       | Depth (inches) | 1.6535 inch |
| Depth including DIN rail | 43 mm       | Height         | 80 mm       |
| Height (inches)          | 3.1496 inch | Width          | 3.5 mm      |
| Width (inches)           | 0.1378 inch | Net weight     | 10.01 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)         | 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                | 3   |
| Number of levels                  | 2     | Number of clamping points per level | 2   |
| Levels cross-connected internally | No    | PE connection                       | Yes |
| Mounting rail                     | TS 35 |                                     |     |

## Additional technical data

|                  |       |                          |     |
|------------------|-------|--------------------------|-----|
| Open sides       | right | Explosion-tested version | Yes |
| Type of mounting | TS 35 |                          |     |

## Conductors for clamping (rated connection)

|                                         |        |
|-----------------------------------------|--------|
| Gauge to IEC 60947-1                    | A1     |
| Wire connection cross section AWG, max. | AWG 14 |
| Connection direction                    | top    |

## AIO21 1.5 SO-PE DL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                                                                         |                                        |         |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Stripping length                                                                        | 8 mm                                   |         |                      |
| Type of connection 2                                                                    | PUSH IN                                |         |                      |
| Type of connection                                                                      | PUSH IN                                |         |                      |
| Number of connections                                                                   | 4                                      |         |                      |
| Clamping range, max.                                                                    | 1.5 mm <sup>2</sup>                    |         |                      |
| Clamping range, min.                                                                    | 0.14 mm <sup>2</sup>                   |         |                      |
| Blade size                                                                              | 0.4 x 2.0 mm                           |         |                      |
| Wire connection cross section AWG, min.                                                 | AWG 26                                 |         |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 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. | 1.5 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.                                    | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup>                   |         |                      |
| Connection cross-section, stranded, max.                                                | 1.5 mm <sup>2</sup>                    |         |                      |
| Connection cross-section, stranded, min.                                                | 0.14 mm <sup>2</sup>                   |         |                      |
| Wire connection cross-section, solid core, max.                                         | 1.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid core, min.                                         | 0.14 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.    | 8 mm                 |
|                                                                                         | Cross-section for conductor connection | min.    | 0.14 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 0.75 mm <sup>2</sup> |
| Tube length for wire-end ferrule without plastic 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>  |

## General

|                                         |                                  |                                         |        |
|-----------------------------------------|----------------------------------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 14                           | Wire connection cross section AWG, min. | AWG 26 |
| Standards                               | In accordance with IEC 60947-7-1 | Mounting rail                           | TS 35  |

## Rating data

|                                              |                     |                                 |                                  |
|----------------------------------------------|---------------------|---------------------------------|----------------------------------|
| Rated cross-section                          | 1.5 mm <sup>2</sup> | Rated voltage                   | 250 V                            |
| Rated DC voltage                             | 250 V               | Nominal 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             | Rated impulse withstand voltage | 4 kV                             |

## AIO21 1.5 SO-PE DL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                             |        |                        |     |
|---------------------------------------------|--------|------------------------|-----|
| Power loss in accordance with IEC 60947-7-x | 0.56 W | Surge voltage category | III |
| Pollution severity                          | 3      |                        |     |

## UL rating data

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000900    | ETIM 9.0    | EC000900    |
| ETIM 10.0   | EC000900    | ECLASS 14.0 | 27-25-01-12 |
| ECLASS 15.0 | 27-25-01-12 |             |             |

## Drawings

