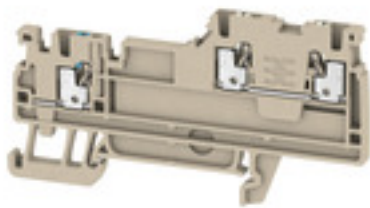


AIO21 1.5 SO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.

General ordering data

| | |
|------------|---|
| Version | Initiator/actuator terminal, PUSH IN, 1.5 mm ² , 250 V, 13.5 A, dark beige |
| Order No. | 1992240000 |
| Type | AIO21 1.5 SO |
| GTIN (EAN) | 4050118377545 |
| 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 | Width | 3.5 mm |
| Width (inches) | 0.138 inch | Net weight | 5.853 g |

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, 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 ² | Max. voltage (IECEX) | 220 V |
| Current (IECEX) | 12 A | Wire cross section max. (IECEX) | 1.5 mm ² |
| 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 | 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

| | | | |
|--------------------------|---------|---------------------|-------|
| Explosion-tested version | Yes | 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 ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 1.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A1 |
| Number of connections | 3 |

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Technical data

| | | | |
|---|--|---------|----------------------|
| Stripping length | 8 mm | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | max. | 8 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | min. | 0.14 mm ² |
| | | max. | 0.75 mm ² |
| 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 ² |
| | Tube length | nominal | 6 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| 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 ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 1.5 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

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

Rating data

| | | | |
|--|---------------------|---------------------------------|----------------------------------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 250 V |
| Rated DC 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 | Rated impulse withstand voltage | 4 kV |
| Power loss in accordance with IEC 60947-7-x | 0.56 W | 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 |
| ETIM 8.0 | EC000900 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-14-11-28 | ECLASS 13.0 | 27-25-01-12 |

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 | UL Website |
| Certificate No. (cURus) | E60693 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate CCC Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Tender specification | Klippon® Connect 1992240000 DE Klippon® Connect 1992240000 EN |
| User Documentation | NTL AIO21 1.5 SO StorageConditionsTerminalBlocks User Manual AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Catalogue status 04.05.2024 / We reserve the right to make technical changes.

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Drawings

