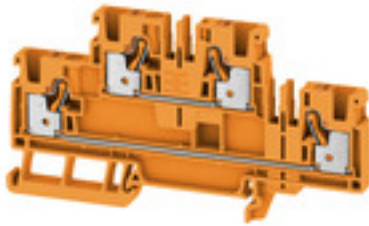


**A2T 4 OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

**General ordering data**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| Version    | Double-tier terminal, PUSH IN, 4 mm <sup>2</sup> , 800 V, 32 A, orange |
| Order No.  | <a href="#">2552480000</a>                                             |
| Type       | A2T 4 OR                                                               |
| GTIN (EAN) | 4050118562460                                                          |
| Qty.       | 50 pc(s).                                                              |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 53.5 mm    | Depth (inches) | 2.106 inch |
| Depth including DIN rail | 54.5 mm    | Height         | 100 mm     |
| Height (inches)          | 3.937 inch | Net weight     | 20.416 g   |
| Width                    | 6.1 mm     | Width (inches) | 0.24 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                    | orange |
| Colour of operational elements | orange | UL 94 flammability rating | V-0    |

## Rating data IECEx/ATEX

|                                |                   |                                 |                   |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV16ATEX7909U   | Certificate No. (IECEX)         | IECEXTUR16.0036U  |
| Max. voltage (ATEX)            | 550 V             | Current (ATEX)                  | 25 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 25 A              | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |

## System specifications

|                               |     |                                     |       |
|-------------------------------|-----|-------------------------------------|-------|
| End cover plate required      | Yes | Number of potentials                | 2     |
| Number of levels              | 2   | Number of clamping points per level | 2     |
| Number of potentials per tier | 1   | Levels cross-connected internally   | No    |
| PE connection                 | No  | Rail                                | TS 35 |
| N-function                    | No  | 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      |

## Conductors for clamping (rated connection)

|                                          |                      |
|------------------------------------------|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 4 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 4 mm <sup>2</sup>    |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |
| Gauge to IEC 60947-1                     | A4                   |
| Number of connections                    | 4                    |
| Stripping length                         | 12 mm                |

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|                                                                                         |                                        |         |                     |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|---------------------|
| Tube length for AEH with plastic collar<br>DIN 46228/4                                  | Tube length                            | max.    | 12 mm               |
|                                                                                         |                                        | min.    | 6 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>   |
|                                                                                         | Tube length                            | max.    | 12 mm               |
|                                                                                         |                                        | min.    | 8 mm                |
| Tube length for AEH without plastic<br>collar DIN 46228/1                               | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | max.    | 12 mm               |
|                                                                                         |                                        | min.    | 10 mm               |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |
|                                                                                         |                                        |         |                     |
| Tube length for twin wire-end ferrule                                                   | Tube length                            | max.    | 10 mm               |
|                                                                                         |                                        | min.    | 6 mm                |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 1 mm <sup>2</sup>   |
|                                                                                         | Tube length                            | max.    | 12 mm               |
|                                                                                         |                                        | min.    | 7 mm                |
| Twin wire-end ferrules, max.                                                            | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|                                                                                         |                                        | max.    | 2.5 mm <sup>2</sup> |
|                                                                                         | Tube length                            | max.    | 15 mm               |
|                                                                                         |                                        | min.    | 9 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |
|                                                                                         |                                        |         |                     |
| Twin wire-end ferrules, min.                                                            | Tube length                            | max.    | 12 mm               |
| Type of connection                                                                      |                                        | min.    | 8 mm                |
| Wire connection cross section AWG, max.                                                 | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.                                                 |                                        | max.    | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    |                                        |         |                     |
| 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. | 4 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, solid core, max.                                         | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>                    |         |                     |

## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Installation advice                     | Rail          | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26        |                                         |        |

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## Rating data

|                                 |                   |                                              |        |
|---------------------------------|-------------------|----------------------------------------------|--------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage                                | 800 V  |
| Rated current                   | 32 A              | Current at maximum wires                     | 32 A   |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 1 mΩ   |
| Rated impulse withstand voltage | 8 kV              | Power loss in accordance with IEC 60947-7-x  | 2.04 W |
| Pollution severity              | 3                 | Surge voltage category                       | III    |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 30 A   |
| Current size C (cURus)                     | 30 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    | ETIM 7.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



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="#">CCC Ex Certificate</a><br><a href="#">Declaration of conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                  |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                                                 |
| User Documentation                          | <a href="#">StorageConditions</a><br><a href="#">TerminalBlocks</a><br><a href="#">NTIA2T 4</a>                                                                                                       |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                              |

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## Drawings

