

**A-series  
A3T 2.5 PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

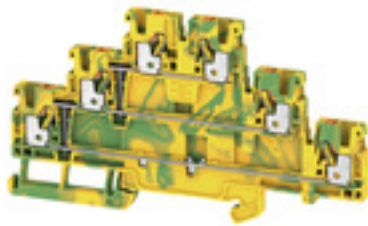
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

**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**

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| Type       | A3T 2.5 PE                                                        |
| Order No.  | <a href="#">2428550000</a>                                        |
| Version    | PE terminal, PUSH IN, 2.5 mm <sup>2</sup> , 800 V, green / yellow |
| GTIN (EAN) | 4050118438239                                                     |
| Qty.       | 50 pc(s).                                                         |

**A-series**  
**A3T 2.5 PE**

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

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height                   | 116 mm  | Height (inches) | 4.567 inch |
| Depth                    | 64.5 mm | Depth (inches)  | 2.539 inch |
| Depth including DIN rail | 65 mm   | Net weight      | 24.665 g   |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                                |        |                           |                |
|--------------------------------|--------|---------------------------|----------------|
| Material                       | Wemid  | Colour                    | green / yellow |
| Colour of operational elements | Orange | UL 94 flammability rating | V-0            |

**System specifications**

|                                   |       |                                  |     |
|-----------------------------------|-------|----------------------------------|-----|
| End cover plate required          | Yes   | Number of potentials             | 1   |
| Number of levels                  | 3     | No. of clamping points per level | 2   |
| Levels cross-connected internally | Yes   | PE connection                    | Yes |
| Mounting rail                     | TS 35 | N-function                       | No  |
| PE function                       | Yes   | PEN function                     | No  |

**Additional technical data**

|                     |               |                  |       |
|---------------------|---------------|------------------|-------|
| Installation advice | Mounting rail | Open sides       | right |
| Type of fixing      | Snap-on       | Type of mounting | TS 35 |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|----------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 2.5 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.14 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                  |
| Gauge to IEC 60947-1                                                                    | A3                   | Number of connections                                                                   | 6                    |
| Stripping length                                                                        | 10 mm                | Twin wire-end ferrules, max.                                                            | 0.75 mm <sup>2</sup> |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  | Type of connection                                                                      | PUSH IN              |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26               |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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. | 2.5 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.                                         | 2.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>  |

**PE rating data**

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

**A-series  
A3T 2.5 PE**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Rating data**

|                                                      |                     |                                              |         |
|------------------------------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section                                  | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Standards                                            | DIN EN 60947-7-2    | Volume resistance according to IEC 60947-7-x | 3.99 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 8 kV                | Pollution severity                           | 3       |
| Surge voltage category                               | III                 |                                              |         |

**UL rating data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Voltage size B (cURus)                     | 300 V  |
| Voltage size C (cURus)                     | 300 V  | Voltage size D (cURus)                     | 600 V  |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC000897    | eClass 6.2 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Product information**

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Descriptive text technical data | Approval in progress                        |
| Descriptive text accessories    | All MultiMark variants (MM) = strip markers |

**Approvals**

Approvals


**Downloads**

Engineering Data [EPLAN, WSCAD, Zuken E3.S](#)

**Safety note**

Safety notice [Safety Information](#)

### A-series A3T 2.5 PE

**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)

## Drawings

