

**A2T 2.5 3C N-PE****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    | Feed-through terminal, PUSH IN, 2.5 mm <sup>2</sup> , 800 V, 22 A, dark beige |
| Order No.  | <a href="#">2623550000</a>                                                    |
| Type       | A2T 2.5 3C N-PE                                                               |
| GTIN (EAN) | 4050118626513                                                                 |
| Qty.       | 50 pc(s).                                                                     |

**A2T 2.5 3C N-PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 64 mm      | Depth (inches) | 2.52 inch  |
| Depth including DIN rail | 38.4 mm    | Height         | 114.5 mm   |
| Height (inches)          | 4.508 inch | Net weight     | 21.954 g   |
| Width                    | 5.1 mm     | Width (inches) | 0.201 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 | orange | UL 94 flammability rating | V-0        |

**System specifications**

|                          |     |                                     |       |
|--------------------------|-----|-------------------------------------|-------|
| End cover plate required | Yes | Number of potentials                | 2     |
| Number of levels         | 2   | Number of clamping points per level | 3     |
| PE connection            | Yes | Rail                                | TS 35 |
| N-function               | Yes | PE function                         | Yes   |
| 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.                                   | 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                                  |      |                      |
| Tube length for AEH with plastic collar<br>DIN 46228/4 | Tube length                            | max. | 6 mm                 |
|                                                        |                                        | min. | 8 mm                 |
|                                                        | Cross-section for conductor connection | min. | 0.34 mm <sup>2</sup> |
|                                                        |                                        | max. | 0.14 mm <sup>2</sup> |
|                                                        | Tube length                            | max. | 6 mm                 |
|                                                        |                                        | min. | 12 mm                |
|                                                        | Cross-section for conductor connection | min. | 1 mm <sup>2</sup>    |
|                                                        |                                        | max. | 0.5 mm <sup>2</sup>  |
|                                                        | Tube length                            | max. | 8 mm                 |
|                                                        |                                        | min. | 12 mm                |
|                                                        | Cross-section for conductor connection | min. | 2.5 mm <sup>2</sup>  |
|                                                        |                                        | max. | 1.5 mm <sup>2</sup>  |

**A2T 2.5 3C N-PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data**

|                                                                                         |                                        |         |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Tube length for AEH without plastic collar DIN 46228/1                                  | Tube length                            | nominal | 5 mm                 |
|                                                                                         | Cross-section for conductor connection | nominal | 0.25 mm <sup>2</sup> |
|                                                                                         | 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 for twin wire-end ferrule                                                   | Tube length                            | max.    | 12 mm                |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | max.    | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        |         |                      |
|                                                                                         |                                        |         |                      |
| 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 28                                 |         |                      |
| 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, solid core, max.                                         | 2.5 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 28        |                                         |        |

**Rating data**

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated current                   | 22 A                | Current at maximum wires                     | 22 A    |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   | Surge voltage category                       | III     |

**A2T 2.5 3C N-PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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

**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="#">EU Declaration of Conformity</a> |
| User Documentation                          | <a href="#">NTI A2T 2.5 3C FT PE</a>                                                                                                                                                                     |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                 |

### A2T 2.5 3C N-PE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Drawings

