

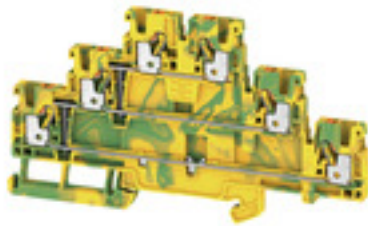
**A3T 2.5 PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## A3T 2.5 PE

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## Technical data

### Dimensions and weights

Depth	64.5 mm	Depth (inches)	2.539 inch
Depth including DIN rail	65 mm	Height	116 mm
Height (inches)	4.567 inch	Net weight	24.665 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	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

### Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>	Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>
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	1
Number of levels	3	Number of clamping points per level	2
Levels cross-connected internally	Yes	PE connection	Yes
Rail	TS 35	N-function	No
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

### CSA rating data

Certificate No. (CSA)	200039-70089609	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Voltage size D (CSA)	600 V
Wire cross section max. (CSA)	12 AWG	Wire cross section min. (CSA)	28 AWG

### 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

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## Technical data

Tube length for AEH with plastic collar 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>
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	max.	12 mm	
	min.	7 mm	
Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
	max.	2.5 mm <sup>2</sup>	
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	0.75 mm <sup>2</sup>
	Tube length	max.	12 mm
min.		8 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, 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	DIN EN 60947-7-2	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

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**Technical data****PE rating data**

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

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage to adjoining terminal	800 V	Standards	DIN EN 60947-7-2
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	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	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



ROHS	Conform
UL File Number Search	E60693

**Data sheet**

**A3T 2.5 PE**

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**Technical data**

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Tender specification	<a href="#">Klippon® Connect 2428550000 DE</a> <a href="#">Klippon® Connect 2428550000 EN</a>
User Documentation	<a href="#">NTI A3T 2.5</a> <a href="#">NTI A3T 2.5 VL</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI A3T FT FT PE</a>

**Data sheet**

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**Drawings**

