

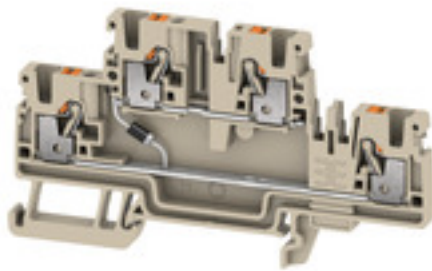
**A2T 2.5 EM1 D/1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

**General ordering data**

Version	Component terminal block, PUSH IN, dark beige, 2.5 mm <sup>2</sup> , 500 V, 500 V, Number of connections: 4, Number of levels: 2, TS 35, V-0, Wemid
Order No.	<a href="#">2704370000</a>
Type	A2T 2.5 EM1 D/1
GTIN (EAN)	4064675060970
Qty.	50 pc(s).

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

Depth	50.5 mm	Depth (inches)	1.988 inch
Height	90 mm	Height (inches)	3.543 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	13.23 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	orange	UL 94 flammability rating	V-0

**System specifications**

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

**Additional technical data**

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	1 A
Current size C (CSA)	1 A	Current size D (CSA)	1 A
Voltage size B (CSA)	24 V	Voltage size C (CSA)	24 V
Voltage size D (CSA)	24 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	28 AWG		

**Component**

Component diode	Type diode	1N4007
	Forward current	1 A
	Reverse voltage	1,300 V
	Forward voltage	0.7 V

**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	A3
Number of connections	4
Stripping length	10 mm

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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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## Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm <sup>2</sup>
		max.	0.34 mm <sup>2</sup>
	Tube length	min.	6 mm
		max.	8 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
Tube length	min.	6 mm	
	max.	12 mm	
Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
	max.	2.5 mm <sup>2</sup>	
Tube length	min.	8 mm	
	max.	12 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.25 mm <sup>2</sup>
	Tube length	nominal	5 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	min.	6 mm
		max.	10 mm
Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
	max.	4 mm <sup>2</sup>	
Tube length	min.	7 mm	
	max.	12 mm	
Type of connection	PUSH IN		
Type of connection 2	PUSH IN		
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 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

Rail	TS 35	Standards	In accordance with IEC 60947-7-1
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### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	0.5 A
Current at maximum wires	0.5 A	Standards	In accordance with IEC 60947-7-1
Power loss in accordance with IEC 60947-7-x	0.77 mW	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)	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	Current size B (cURus)	1 A
Current size C (cURus)	1 A	Current size D (cURus)	1 A
Voltage size B (cURus)	24 V	Voltage size C (cURus)	24 V
Voltage size D (cURus)	24 V		

## Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ETIM 9.0	EC000903
ECLASS 9.0	27-14-11-27	ECLASS 9.1	27-14-11-47
ECLASS 10.0	27-14-11-27	ECLASS 11.0	27-14-11-27
ECLASS 12.0	27-14-11-27	ECLASS 13.0	27-25-01-14
ECLASS 14.0	27-25-01-14		

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">User Manual AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

