

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, Double-tier terminal, PUSH IN, 2.5 mm ² , 800 V, 22 A, dark beige
Order No.	2531290000
Type	A2T 2.5 3C
GTIN (EAN)	4050118541700
Qty.	50 pc(s).

Creation date August 23, 2023 5:59:05 PM CEST

Catalogue status 18.08.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Depth including DIN rail	64.5 mm	Height	114.5 mm
Height (inches)	4.508 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	18.438 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

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	19 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	19 A	Wire cross section max. (IECEX)	2.5 mm ²
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	2
Number of levels	2	Number of clamping points per level	3
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 ²		
Clamping range, min.	0.14 mm ²		
Connection cross-section, stranded, max.	4 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A3		
Number of connections	6		
Stripping length	10 mm		
Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	0.75 mm ²

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Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm ²
		max.	0.34 mm ²
	Tube length	max.	8 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
Tube length	max.	12 mm	
	min.	6 mm	
Cross-section for conductor connection	min.	1.5 mm ²	
	max.	2.5 mm ²	
Tube length	max.	12 mm	
	min.	8 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	5 mm
	Cross-section for conductor connection	nominal	0.25 mm ²
		max.	10 mm
	Tube length	min.	6 mm
		min.	0.5 mm ²
	Cross-section for conductor connection	max.	1 mm ²
max.		12 mm	
Tube length	min.	7 mm	
	Cross-section for conductor connection	min.	1.5 mm ²
max.		4 mm ²	
Twin wire-end ferrules, max.	0.75 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
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.	4 mm ²		
Wire connection cross section, finely stranded, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	2.5 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

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		

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Rating data

Rated cross-section	2.5 mm ²	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

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)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	5 A
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
ETIM 8.0	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	ECLASS 12.0	27-14-11-20

Approvals

Approvals



UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	DE PT0101 20180316 007 ISSUE01.pdf Attestation of Conformity IECEX Certificate ATEX Certificate DNVGL certificate CCC Ex Certificate UKCA Ex Certificate UKCA declaration of conformity
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 2531290000 EN Klippon® Connect 2531290000 DE
User Documentation	StorageConditionsTerminalBlocks NTIA2T 2.5 3C BPZL AXC 1.5-16
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

