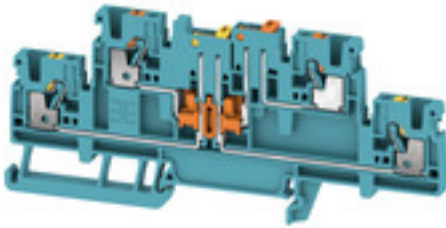


A2T 2.5 DT/DT BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

Version	Disconnect and modular disconnect terminal, PUSH IN, 2.5 mm ² , 400 V, 16 A, blue
Order No.	2744120000
Type	A2T 2.5 DT/DT BL
GTIN (EAN)	4064675035312
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	50.5 mm	Depth (inches)	1.988 inch
Height	115 mm	Height (inches)	4.528 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	20.038 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Insulating material	Wemid
Colour	blue	Colour of operational elements	orange
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (IECEX)	IECEXTUR16.0045U	Max. voltage (IECEX)	400 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm ²

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	2	Number of clamping points per level	2
Number of potentials per tier	2	Levels cross-connected internally	No
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 (additional connection)

Connection type, additional connection PUSH IN

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Technical data**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.	2.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A3	Number of connections	4
Stripping length	10 mm	Twin wire-end ferrules, max.	0.75 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	PUSH IN
Type of connection 2	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 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.	2.5 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		

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	Pivoting		

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 ²	Rated voltage	400 V
Rated DC voltage	500 V	Rated current	16 A
Current at maximum wires	16 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 mW	Pollution severity	3

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 9.0	27-14-11-26
ECLASS 9.1	27-14-11-26	ECLASS 10.0	27-14-11-26
ECLASS 11.0	27-14-11-26	ECLASS 12.0	27-14-11-26
ECLASS 13.0	27-25-01-09	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

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Technical data

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319259/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate UKCA EX Certificate ATEX Certificate CE Declaration of Conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	Usage of terminals in EXi atmospheres User Manual AXC 1.5-16 NTI A2T 2.5 DT-DT
Catalogues	Catalogues in PDF-format

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Drawings

