

ADT 2.5 2C W/O DTLV BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

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	PUSH IN, 2.5 mm ² , 500 V, 20 A, blue
Order No.	2430040000
Type	ADT 2.5 2C W/O DTLV BL
GTIN (EAN)	4050118439908
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	36.5 mm	Depth (inches)	1.437 inch
Depth including DIN rail	37 mm	Height	77.5 mm
Height (inches)	3.051 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	9.117 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	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Rail	TS 35		

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	Current size B (CSA)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	5 A
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.	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	2		
Stripping length	10 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 mm ²
		max.	0.75 mm ²
	Tube length	min.	8 mm
		max.	12 mm

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Catalogue status 07.07.2023 / 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	Tube length	min.	8 mm
		max.	6 mm
	Cross-section for conductor connection	min.	0.34 mm ²
		max.	0.14 mm ²
	Tube length	min.	12 mm
		max.	6 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1 mm ²
		max.	0.5 mm ²
	Tube length	min.	12 mm
		max.	8 mm
	Cross-section for conductor connection	min.	2.5 mm ²
		max.	1.5 mm ²
Twin wire-end ferrules, max.	Cross-section for conductor connection	nominal	0.25 mm ²
	Tube length	nominal	5 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Twin wire-end ferrules, min.	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	min.	7 mm
		max.	12 mm
	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		

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
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Technical data

General

Installation advice	Rail	Rail	TS 35
Standards	In accordance with 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	500 V
Rated current	20 A	Current at maximum wires	20 A
Standards	In accordance with 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 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	EC000902	ETIM 7.0	EC000902
ETIM 8.0	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

Approvals

Approvals



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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX certificate IECEX Certificate CB Test Certificate EAC certificate DNVGL certificate MARITREG certificate CB Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
Tender specification	Klippon® Connect 2430040000 DE Klippon® Connect 2430040000 EN
User Documentation	NTI_ADT_2.5_2C.pdf StorageConditionsTerminalBlocks BPZL ADT
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

