

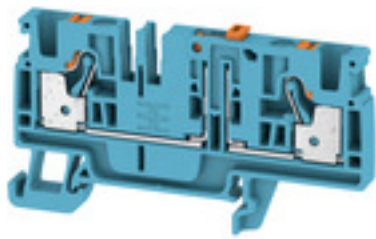
ADT 4 2C BL**Weidmüller Interface GmbH & Co. KG**

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	Test-disconnect terminal, PUSH IN, 4 mm ² , 500 V, 20 A, blue
Order No.	2429880000
Type	ADT 4 2C BL
GTIN (EAN)	4050118439670
Qty.	50 pc(s).

Creation date March 9, 2023 8:15:02 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	41 mm	Depth (inches)	1.614 inch
Depth including DIN rail	42 mm	Height	74 mm
Height (inches)	2.913 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	12.49 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

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7939U	Certificate No. (IECEX)	IECEXTUR16.0045U
Max. voltage (ATEX)	440 V	Current (ATEX)	18.5 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	400 V
Current (IECEX)	18.5 A	Wire cross section max. (IECEX)	4 mm ²

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)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	6 mm ²
Clamping range, min.	0.14 mm ²
Connection cross-section, stranded, max.	6 mm ²
Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	top
Gauge to IEC 60947-1	A4
Number of connections	2
Stripping length	10 mm

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Technical data

Tube length for twin wire-end ferrule	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1.5 mm ²
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	2.5 mm ²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	4 mm ²
		min.	10 mm
	max.	12 mm	
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.
max.			10 mm
Cross-section for conductor connection		min.	0.5 mm ²
		max.	1 mm ²
Tube length		min.	7 mm
		max.	12 mm
Cross-section for conductor connection		min.	1.5 mm ²
		max.	2.5 mm ²
Tube length		min.	9 mm
		max.	15 mm
Cross-section for conductor connection		min.	4 mm ²
		max.	6 mm ²
Twin wire-end ferrules, max.	1.5 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 26		
Wire connection cross section, finely stranded, max.	6 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.	6 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.	4 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.	4 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	Pivoting		

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Technical data

General

Installation advice	Rail	Rail	TS 35
Standards	IEC/EN 60947-7-1:2009	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	4 mm ²	Rated voltage	500 V
Rated current	20 A	Current at maximum wires	20 A
Standards	IEC/EN 60947-7-1:2009	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 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	DE PT0102 20170420 002 ISSUE01 Attestation of Conformity ATEX certificate IECEX Certificate CB Test Certificate EAC certificate DNVGL certificate MARITREG certificate CB Certificate CCC Ex Certificate UKCA declaration of conformity
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 2429880000 EN Klippon® Connect 2429880000 DE
User Documentation	NTI_ADT 4 2C.pdf Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks BPZL ADT
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

