

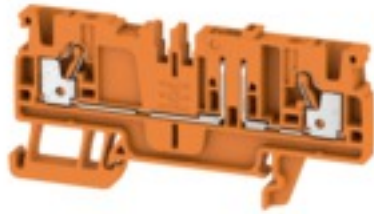
ADT 2.5 2C OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

Version	Test-disconnect terminal, PUSH IN, 2.5 mm ² , 500 V, 20 A, orange
Order No.	1989820000
Type	ADT 2.5 2C OR
GTIN (EAN)	4050118374339
Qty.	50 pc(s).

Creation date March 26, 2021 7:33:39 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	37.65 mm	Depth (inches)	1.482 inch
Depth including DIN rail	38.4 mm	Height	77.5 mm
Height (inches)	3.051 inch	Net weight	9.579 g
Width	5.1 mm	Width (inches)	0.201 inch

Temperatures

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

Material data

Material	Wemid	Colour	orange
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)	400 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	400 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G D

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	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

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.	2.5 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

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Gauge to IEC 60947-1	A3			
Number of connections	2			
Stripping length	10 mm			
Tube length for AEH with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.34 mm ²	
		max.	0.14 mm ²	
	Tube length	min.	8 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	1 mm ²	
		max.	0.5 mm ²	
	Tube length	min.	12 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	2.5 mm ²	
		max.	1.5 mm ²	
	Tube length	min.	12 mm	
		max.	8 mm	
Tube length for AEH without plastic collar DIN 46228/1	Tube length	nominal	5 mm	
	Cross-section for conductor connection	nominal	0.25 mm ²	
	Tube length	min.	6 mm	
		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 for twin wire-end ferrule	Tube length	min.	8 mm
			max.	12 mm
Cross-section for conductor connection		min.	0.5 mm ²	
		max.	0.75 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.	2.5 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		

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Technical data

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

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm ²
Rated voltage	500 V	Rated current	20 A
Current at maximum wires	20 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
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
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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity TÜV 16 ATEX 7939 U.pdf IECEX Certificate CB Test Certificate EAC certificate DNVGL certificate MARITREG certificate CB Certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1989820000 EN Klippon® Connect 1989820000 DE
User Documentation	NTI ADT 2.5 2C.pdf StorageConditionsTerminalBlocks

Data sheet

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Drawings

