

A2C 6 PE**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	PE terminal, PUSH IN, 6 mm ² , Green/yellow
Order No.	1991810000
Type	A2C 6 PE
GTIN (EAN)	4050118376623
Qty.	50 pc(s).

Creation date March 26, 2021 7:42:54 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	45.5 mm	Depth (inches)	1.791 inch
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.618 inch	Net weight	20.4 g
Width	8.1 mm	Width (inches)	0.319 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	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Wire cross section max. (ATEX)	6 mm ²	Wire cross section max. (IECEX)	6 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	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	PE connection	Yes
Rail	TS 35	N-function	No
PE function	Yes	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	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Wire cross section max. (CSA)	8 AWG	Wire cross section min. (CSA)	22 AWG

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	6 mm ²
Clamping range, min.	0.34 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	A5
Number of connections	2
Stripping length	12 mm

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Technical data

Tube length for AEH with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	10 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	1.5 mm ²	
		min.	10 mm	
	Tube length	max.	18 mm	
		Cross-section for conductor connection	nominal	2.5 mm ²
min.	12 mm			
Tube length	max.	18 mm		
	Cross-section for conductor connection	min.	4 mm ²	
max.		6 mm ²		
Tube length	min.	10 mm		
	max.	18 mm		
Tube length for AEH without plastic collar DIN 46228/1	Tube length	nominal	10 mm	
	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	10 mm	
		max.	18 mm ²	
	Cross-section for conductor connection	min.	1.5 mm ²	
		max.	2.5 mm ²	
	Tube length	min.	12 mm	
		max.	18 mm	
	Cross-section for conductor connection	nominal	4 mm ²	
		min.	10 mm	
	Tube length	max.	18 mm	
Cross-section for conductor connection		nominal	6 mm ²	
	Tube length	min.	10 mm	
max.		12 mm		
Tube length for twin wire-end ferrule	Tube length	min.	10 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	0.5 mm ²	
		min.	10 mm	
	Tube length	max.	18 mm	
		Cross-section for conductor connection	nominal	0.75 mm ²
	min.		12 mm	
	Tube length	max.	18 mm	
		Cross-section for conductor connection	min.	1 mm ²
	max.		1.5 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 8			
Wire connection cross section AWG, min.	AWG 22			
Wire connection cross section, finely stranded, max.	6 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.	6 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²			

Data sheet

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Technical data

Wire connection cross-section, solid core, max.	6 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

General

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

PE rating data

Rated short-time current	720 A (6 mm ²)	PEN function	No
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Rating data

Power loss in accordance with IEC 60947-7-x	1.31 W	Rated cross-section	6 mm ²
Rated voltage to adjoining terminal	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	8 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	22 AWG	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V	Voltage size D (cURus)	600 V

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ECLASS 9.0	27-14-11-41	ECLASS 9.1	27-14-11-41
ECLASS 10.0	27-14-11-41	ECLASS 11.0	27-14-11-41

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate EAC certificate DNVGL certificate BV certificate MARITREG certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1991810000 DE Klippon® Connect 1991810000 EN
User Documentation	NTI_A2C 6.pdf StorageConditionsTerminalBlocks NTI ALO 16

Data sheet

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Drawings

