

**A2C 6 BL****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	Feed-through terminal, PUSH IN, 6 mm <sup>2</sup> , 800 V, 41 A, blue
Order No.	<a href="#">1991790000</a>
Type	A2C 6 BL
GTIN (EAN)	4050118376494
Qty.	50 pc(s).

Creation date March 26, 2021 7:42:45 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	16.37 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	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	37 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	37 A	Wire cross section max. (IECEX)	6 mm <sup>2</sup>
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	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)	38 A
Current size C (CSA)	38 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)	8 AWG
Wire cross section min. (CSA)	22 AWG		

**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm
Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.34 mm <sup>2</sup>
Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	top
Gauge to IEC 60947-1	A5

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## Technical data

Number of connections	2		
Stripping length	12 mm		
Tube length for AEH with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
		min.	10 mm
	Tube length	max.	18 mm
		Cross-section for conductor connection	nominal
	min.		12 mm
	Tube length	max.	18 mm
		Cross-section for conductor connection	min.
	max.		6 mm <sup>2</sup>
Tube length	min.	10 mm	
	max.	18 mm	
Tube length for AEH without plastic collar DIN 46228/1	Tube length	nominal	10 mm
		min.	0.5 mm <sup>2</sup>
	Cross-section for conductor connection	max.	1 mm <sup>2</sup>
		min.	10 mm
	Tube length	max.	18 mm <sup>2</sup>
		Cross-section for conductor connection	min.
	max.		2.5 mm <sup>2</sup>
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	4 mm <sup>2</sup>
		min.	10 mm
	Tube length	max.	18 mm
Cross-section for conductor connection		nominal	6 mm <sup>2</sup>
	Tube length	min.	10 mm
max.		12 mm	
Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
	min.	10 mm	
Tube length	max.	18 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
min.		12 mm	
Tube length	max.	18 mm	
	Cross-section for conductor connection	min.	1 mm <sup>2</sup>
max.		1.5 mm <sup>2</sup>	
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>		
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
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 <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>		

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### General

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

### Rating data

Power loss in accordance with IEC 60947-7-x	1.31 W	Rated cross-section	6 mm <sup>2</sup>
Rated voltage	800 V	Rated current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
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	Current size B (cURus)	38 A
Current size C (cURus)	38 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	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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# Technical data

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Tender specification	<a href="#">Klippon® Connect 1991790000 DE</a> <a href="#">Klippon® Connect 1991790000 EN</a>
User Documentation	<a href="#">NTI_A2C_6.pdf</a> <a href="#">Usage of terminals in EXi atmospheres</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ALO 16</a>

**Data sheet**

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**Drawings**

