

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 ² , 800 V, 41 A, blue
Order No.	1991790000
Type	A2C 6 BL
GTIN (EAN)	4050118376494
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	45.5 mm	Depth (inches)	1.791 °C
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.618 °C	Width	8.1 mm
Width (inches)	0.319 °C	Net weight	16.37 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)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	37 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	37 A	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	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 Nm
Clamping range, min.	0.34 Nm
Connection cross-section, stranded, max.	6 Nm
Connection cross-section, stranded, min.	0.5 Nm
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 Nm
		max.	1 Nm
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	1.5 Nm
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	2.5 Nm
	Tube length	max.	18 mm
		min.	12 mm
Tube length for AEH without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	0.5 Nm
		max.	1 Nm
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 Nm
		max.	2.5 Nm
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	4 Nm
	Tube length	max.	18 mm
		min.	12 mm
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 Nm
		max.	1 Nm
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 Nm
		max.	2.5 Nm
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	4 Nm
	Tube length	max.	18 mm
		min.	12 mm
Twin wire-end ferrules, max.	Cross-section for conductor connection	min.	0.5 Nm
		max.	1 Nm
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 Nm
		max.	2.5 Nm
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.75 Nm
	Tube length	max.	18 mm
		min.	12 mm
Twin wire-end ferrules, min.	Cross-section for conductor connection	min.	0.5 Nm
		max.	1 Nm
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 Nm
		max.	2.5 Nm
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.75 Nm
	Tube length	max.	18 mm
		min.	12 mm
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 Nm		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 Nm		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 Nm		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 Nm		

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 0.5 Nm

Wire connection cross-section, solid core, max. 6 Nm

Wire connection cross-section, solid core, min. 0.5 Nm

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

Rated cross-section	6 Nm	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 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
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
ETIM 8.0	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	Attestation of Conformity
	IECEX Certificate
	ATEX Certificate
	CB Test Certificate
	CB Certificate
	EAC certificate
	DNVGL certificate
	MARITREG certificate
	CCC Ex Certificate
	Declaration of Conformity
Engineering Data	Declaration of Conformity all terminals
	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1991790000 DE
	Klippon® Connect 1991790000 EN
User Documentation	NTI_A2C 6.pdf
	Usage of terminals in EXi atmospheres
	StorageConditionsTerminalBlocks
	NTI ALO 16
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

