

**A-series
A2C 6 PE**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 1429-0
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www.weidmueller.com

**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

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

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Technical data
Dimensions and weights

Width	8.1 mm	Width (inches)	0.319 inch
Height	66.5 mm	Height (inches)	2.618 inch
Depth	45.5 mm	Depth (inches)	1.791 inch
Depth including DIN rail	46 mm	Net weight	20.473 g

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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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)	TÜV16ATEX7909U
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System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	PE connection	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

Additional technical data

Installation advice	Mounting 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	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	22 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	6 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
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 with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	6 mm ²
Wire connection cross section, solid core max. rated connection	6 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, stranded, rated connection, max.	6 mm ²	Wire connection cross section, stranded, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

PE rating data

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

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 to adjacent terminal	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	eClass 6.2	27-14-11-41
eClass 9.1	27-14-11-41		

Product information

Descriptive text technical data	Approval in progress
Descriptive text accessories	All MultiMark variants (MM) = strip markers

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Data sheet**A-series
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT0102_20160614_028_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)**Safety note**

Safety notice

[Safety Information](#)

Data sheet

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Drawings

