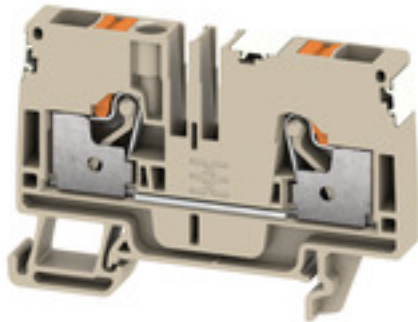


A2C 6 DL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Feed-through terminal, PUSH IN, 6 mm², 800 V, 41 A
Order No.	2674870000
Type	A2C 6 DL
GTIN (EAN)	4050118817386
Qty.	50 pc(s).

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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	17.07 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	UL 94 flammability rating	V-0
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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

System specifications

Number of potentials	1	Number of potentials per tier	1
Rail	TS 35		

Additional technical data

Open sides	right
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Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 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		
Gauge to IEC 60947-1	A5		
Number of connections	2		
Stripping length	12 mm		
Tube length for AEH with plastic collar DIN 46228/4	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	min.	4 mm ²
		max.	6 mm ²

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Technical data

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	max.	18 mm ²
		min.	10 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	2.5 mm ²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	4 mm ²
Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	max.	18 mm
		min.	12 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		
Wire connection cross-section, solid core, max.	6 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

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

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Technical data**Rating data**

Rated cross-section	6 mm ²	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	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3	Surge voltage category	III

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

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
Brochure/Catalogue	Catalogues in PDF-format