

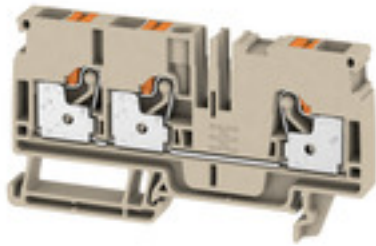
**A3C 6****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

Version	Feed-through terminal, PUSH IN, 6 mm <sup>2</sup> , 800 V, 41 A, dark beige
Order No.	<a href="#">1991820000</a>
Type	A3C 6
GTIN (EAN)	4050118376630
Qty.	50 pc(s).

Creation date October 3, 2022 6:46:08 PM CEST

Catalogue status 23.09.2022 / We reserve the right to make technical changes.

## A3C 6

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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	84.5 mm
Height (inches)	3.327 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	21.995 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	dark beige
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)	36 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	36 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	3
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	3			
Stripping length	12 mm			
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
		Tube length	max. 12 mm	
		min.	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
		Tube length	max. 18 mm	
		min.	10 mm	
	Cross-section for conductor connection	min.	1 mm <sup>2</sup>	
		max.	1.5 mm <sup>2</sup>	
	Tube length	max.	18 mm	
min.		12 mm		
Tube length for wire-end ferrule 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	max.	12 mm	
		min.	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
		Tube length	max. 18 mm	
		min.	10 mm	
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>	
		Tube length	max. 18 mm	
		min.	12 mm	
	Cross-section for conductor connection	min.	4 mm <sup>2</sup>	
		max.	6 mm <sup>2</sup>	
	Tube length	max.	18 mm	
		min.	10 mm	
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
			max.	1 mm <sup>2</sup>
		Tube length	nominal	10 mm
			Cross-section for conductor connection	min. 1.5 mm <sup>2</sup>
		max.	2.5 mm <sup>2</sup>	
Tube length		max.	18 mm <sup>2</sup>	
		min.	10 mm	
Cross-section for conductor connection		nominal	4 mm <sup>2</sup>	
		Tube length	max. 18 mm	
		min.	12 mm	
Cross-section for conductor connection		nominal	6 mm <sup>2</sup>	
		Tube length	max. 18 mm	
		min.	10 mm	
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, min.	0.5 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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## Technical data

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

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	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	ECLASS 12.0	27-14-11-20

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">UKCA Ex 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="#">BV certificate</a> <a href="#">MARITREG certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Tender specification	<a href="#">Klippon® Connect 1991820000 EN</a> <a href="#">Klippon® Connect 1991820000 DE</a>
User Documentation	<a href="#">NTI_A3C 6.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ALO 16</a> <a href="#">BPZL AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

