

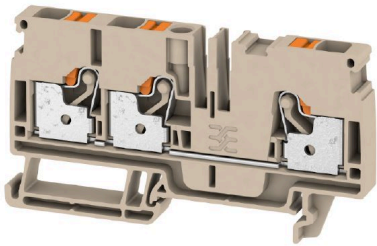
A3C 6**Weidmüller Interface GmbH & Co. KG**

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 ² , 800 V, 41 A, dark beige
Order No.	1991820000
Type	A3C 6
GTIN (EAN)	4050118376630
Qty.	50 items

A3C 6

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	84.5 mm
Height (inches)	3.3268 inch	Width	8.1 mm
Width (inches)	0.3189 inch	Net weight	22 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic 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 ²	Max. voltage (IECEX)	550 V
Current (IECEX)	36 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	3
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

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Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Installation advice	Rail	Explosion-tested version	Yes
Type of mounting	TS 35		

CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	38 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	600 V	Current size B (CSA)	38 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5						
Wire connection cross section AWG, max.	AWG 8						
Connection direction	top						
Stripping length	12 mm						
Type of connection	PUSH IN						
Number of connections	3						
Clamping range, max.	10 mm ²						
Clamping range, min.	0.34 mm ²						
Blade size	1.0 x 5.5 mm						
Wire connection cross section AWG, min.	AWG 22						
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, finely stranded with wire-end ferrules DIN 46228/1, max.	10 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, max.	10 mm ²						
Wire connection cross section, finely stranded, min.	0.5 mm ²						
Connection cross-section, stranded, max.	6 mm ²						
Connection cross-section, stranded, min.	0.5 mm ²						
Twin wire-end ferrules, max.	1.5 mm ²						
Twin wire-end ferrules, 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						
Tube length for wire-end ferrule with plastic collar DIN 46228/4	<table border="1"> <tr> <td>Tube length</td> <td>min.</td> <td>10 mm</td> </tr> <tr> <td></td> <td>max.</td> <td>12 mm</td> </tr> </table>	Tube length	min.	10 mm		max.	12 mm
Tube length	min.	10 mm					
	max.	12 mm					

Technical data

	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	10 mm	
		max.	18 mm	
	Cross-section for conductor connection	nominal	1.5 mm ²	
	Tube length	min.	12 mm	
	max.	18 mm		
	Cross-section for conductor connection	nominal	2.5 mm ²	
	Tube length	min.	10 mm	
		max.	18 mm	
	Cross-section for conductor connection	min.	4 mm ²	
		max.	6 mm ²	
	Tube length for twin wire-end ferrule	Tube length	min.	10 mm
		max.	12 mm	
Cross-section for conductor connection		nominal	0.5 mm ²	
Tube length		min.	10 mm	
		max.	18 mm	
Cross-section for conductor connection		nominal	0.75 mm ²	
	min.	12 mm		
	max.	18 mm		
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1 mm ²	
		max.	1.5 mm ²	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	10 mm	
	max.	18 mm		
	Cross-section for conductor connection	min.	1.5 mm ²	
		max.	2.5 mm ²	
	Tube length	min.	12 mm	
		max.	18 mm	
	Cross-section for conductor connection	nominal	4 mm ²	
	Tube length	min.	10 mm	
	max.	18 mm		
	Cross-section for conductor connection	min.	6 mm ²	
		max.	10 mm ²	
	Tube length for wire-end ferrule with plastic collar acc. to cross-section	Tube length, min.	10 mm	
		Tube length, max.	12 mm	
		Tube length, min.	10 mm	
		Tube length, max.	18 mm	
Tube length, min.		12 mm		
Tube length, max.		18 mm		
Tube length, min.		10 mm		
Tube length, max.		18 mm		
Tube length for wire-end ferrule without plastic collar acc. to cross-section		Tube length, min.	10 mm	
		Tube length, max.	10 mm	
		Tube length, min.	10 mm	
		Tube length, max.	18 mm	
	Tube length, min.	12 mm		
	Tube length, max.	18 mm		
	Tube length, min.	10 mm		
	Tube length, max.	18 mm		
Tube length for twin wire-end ferrule acc. to cross-section	Tube length, min.	10 mm		
	Tube length, max.	12 mm		
	Tube length, min.	10 mm		
	Tube length, max.	18 mm		
	Tube length, min.	10 mm		
	Tube length, max.	18 mm		

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Technical data

General

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

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal 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	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Current size B (cURus)	38 A	Voltage size C (cURus)	600 V
Current size C (cURus)	38 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	8 AWG		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Drawings

