

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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, black
Order No.	<a href="#">2876650000</a>
Type	A3C 6 BK
GTIN (EAN)	4064675664888
Qty.	50 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
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	-60 °C...85 °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	black
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>

### 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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

### Additional technical data

Open sides	right	Snap-on	No
Type of fixing	Snap-on	Explosion-tested version	Yes

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Type of mounting TS 35

### Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

### 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 <sup>2</sup>		
Clamping range, min.	0.34 mm <sup>2</sup>		
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 <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm <sup>2</sup>		
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.34 mm <sup>2</sup>		
Connection cross-section, stranded, max.	6 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.34 mm <sup>2</sup>		
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>		
Twin wire-end ferrules, 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.	0.34 mm <sup>2</sup>		
Connection cross-section, finely stranded, min.	0.34 mm <sup>2</sup>		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	4 mm <sup>2</sup>

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**Technical data**

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

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Tube length, min.	10 mm
Tube length, max.	12 mm
Cross-section, min.	0.75 mm <sup>2</sup>
Cross-section, max.	0.75 mm <sup>2</sup>
Tube length, min.	10 mm
Tube length, max.	18 mm
Cross-section, min.	1 mm <sup>2</sup>
Cross-section, max.	1.5 mm <sup>2</sup>
Tube length, min.	10 mm
Tube length, max.	18 mm

**General**

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

**Rating data**

Rated cross-section	6 mm <sup>2</sup>	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 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

**Drawings**

