

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

**General ordering data**

Version	PE terminal, PUSH IN, 6 mm <sup>2</sup> , Green/yellow
Order No.	<a href="#">1991850000</a>
Type	A3C 6 PE
GTIN (EAN)	4050118376531
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	84.5 mm
Height (inches)	3.327 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	26.151 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	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	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	Yes
Rail	TS 35	N-function	No
PE function	Yes	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	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.	10 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
Number of connections	3
Stripping length	12 mm

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## Technical data

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

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

**PE rating data**

Rated short-time current	720 A (6 mm <sup>2</sup> )	PEN function	No
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**Rating data**

Rated cross-section	6 mm <sup>2</sup>	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	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	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V	Voltage size D (cURus)	600 V

**Classifications**

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41

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## Technical data

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">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="#">DNVGL certificate</a> <a href="#">BV certificate</a> <a href="#">CCC 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="#">Zuken E3.S</a>
Tender specification	<a href="#">Klippon® Connect 1991850000 EN</a> <a href="#">Klippon® Connect 1991850000 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 PE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

