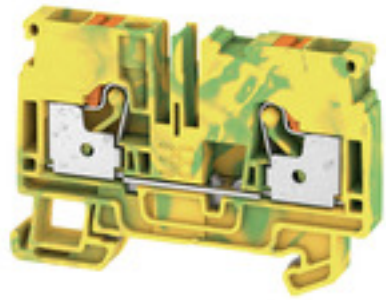
A2C 6 PE

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 mm², Green/yellow
Order No.	1991810000
Type	A2C 6 PE
GTIN (EAN)	4050118376623
Qty.	50 pièce(s)

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Caractéristiques techniques

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	Width	8,1 mm
Width (inches)	0,319 inch	Net weight	20,4 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 mm²	Wire cross section max. (IECEX)	6 mm²
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	2
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 (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, max.	10 mm²
Clamping range, min.	0,34 mm²
Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0,5 mm²
Connection direction	top
Gauge to IEC 60947-1	A5

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Caractéristiques techniques

Number of connections	2		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0,5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0,75 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	1,5 mm²
	Tube length	min.	12 mm
		max.	18 mm
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0,5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1,5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2,5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
	Tube length	min.	10 mm
		max.	18 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	0,5 mm²
		max.	1 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1,5 mm²
		max.	2,5 mm²
	Tube length	min.	10 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²
	Tube length	min.	10 mm
		max.	18 mm
Twin wire-end ferrules, max.	1,5 mm²		
Twin wire-end ferrules, min.	0,5 mm²		
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 mm²		
Wire connection cross section, finely stranded, min.	0,5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0,5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²		

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Caractéristiques techniques

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0,5 mm²
Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0,5 mm²

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 mm²)	PEN function	No

Rating data

Rated cross-section	6 mm²	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0,78 mΩ	Rated impulse withstand voltage	8 kV
Rated impulse withstand voltage to adjacent terminal	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	ETIM 9.0	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	ECLASS 13.0	27-25-01-03
ECLASS 14.0	27-25-01-03		

Environmental Product Compliance

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

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Caractéristiques techniques

Approvals

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate ATEX Certificate DNVGL certificate BV certificate CCC Ex Certificate UKCA Ex Certificate 20-AV4BO-0269U CB Certificate DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 1991810000 DE Klippon® Connect 1991810000 EN
User Documentation	NTI_A2C 6.pdf StorageConditionsTerminalBlocks NTI ALO16 User Manual AXC PE
Catalogues	Catalogues in PDF-format
Brochures	

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Dessins