

**A2C 50/70 PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, 50 mm <sup>2</sup> , Green/yellow
Order No.	<a href="#">2663280000</a>
Type	A2C 50/70 PE
GTIN (EAN)	4050118831283
Qty.	5 pc(s).

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**Technical data****Dimensions and weights**

Depth	80.5 mm	Depth (inches)	3.169 inch
Height	101.5 mm	Height (inches)	3.996 inch
Width	20 mm	Width (inches)	0.787 inch
Net weight	154.28 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)	70 mm <sup>2</sup>	Wire cross section max. (IECEX)	70 mm <sup>2</sup>

**System specifications**

End cover plate required	No	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
Rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

**Additional technical data**

Open sides	closed	Snap-on	Yes
Type of fixing	TS 35	Type of mounting	TS 35, Snap-on

**CSA rating data**

Certificate No. (CSA)	200039-80069332	Voltage size B (CSA)	1000 V
Voltage size C (CSA)	1000 V	Voltage size D (CSA)	600 V
Wire cross section min. (CSA)	8 AWG		

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## Technical data

## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	70 mm <sup>2</sup>
Clamping range, min.	10 mm <sup>2</sup>	Connection cross-section, stranded, max.	70 mm <sup>2</sup>
Connection cross-section, stranded, min.	10 mm <sup>2</sup>	Connection direction	on side
Number of connections	2	Stripping length	30 mm
Type of connection	PUSH IN	Wire connection cross section AWG, max.	AWG 2/0
Wire connection cross section AWG, min.	AWG 8	Wire connection cross section, finely stranded, max.	70 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	70 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	10 mm <sup>2</sup>		

## General

Rail	TS 35	Standards	IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 2/0	Wire connection cross section AWG, min.	AWG 8

## Rating data

Rated cross-section	50 mm <sup>2</sup>	Rated voltage to adjoining terminal	1,000 V
Rated DC voltage	1,500 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	0.21 mΩ	Pollution severity	3
Surge voltage category	III		

## UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	00 AWG
Conductor size Factory wiring min. (cURus)	8 AWG	Conductor size Field wiring max. (cURus)	00 AWG
Conductor size Field wiring min. (cURus)	8 AWG	Voltage size B (cURus)	1000 V
Voltage size C (cURus)	1000 V	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	00 AWG	Wire cross section min. (cURus)	8 AWG

## 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	27250103

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9

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## Technical data

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Instruction sheet</a> <a href="#">User Manual A2C 50-185</a> <a href="#">NTIA2C 50/70</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

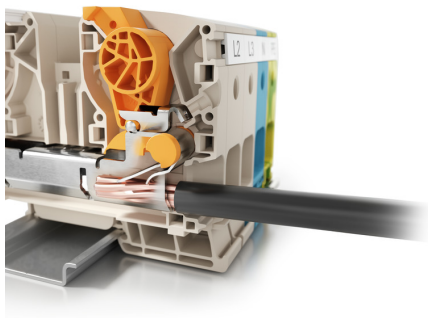
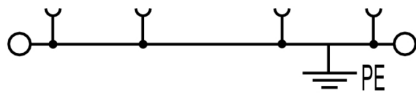
**Data sheet**

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**Drawings**



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**Accessories**

**Slotted screwdriver**



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

**General ordering data**

Type	SDS 1.0X5.5X150	Version
Order No.	<a href="#">2749380000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm
GTIN (EAN)	4050118895605	
Qty.	1 pc(s).	

**WS 8/16**



**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	WS-A 8/16 MM WS	Version
Order No.	<a href="#">2619910000</a>	WS, Terminal marker, 8 x 16 mm, Weidmueller, white
GTIN (EAN)	4050118626179	
Qty.	200 pc(s).	

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**Accessories**

**A-Series**



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	AEB 35 SCL/1 V0 GY	Version
Order No.	<a href="#">2661290000</a>	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0	Version
Order No.	<a href="#">2661280000</a>	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0 BK	Version
Order No.	<a href="#">2661300000</a>	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	