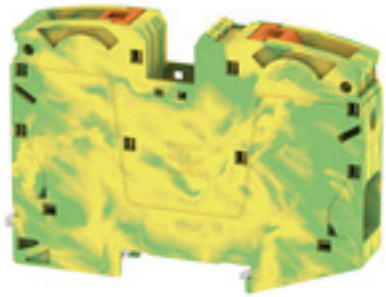
A2C 35 PE

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, 35 mm², 1000 V, Green/yellow
Order No.	2551520000
Type	A2C 35 PE
GTIN (EAN)	4050118680201
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	71.5 mm	Depth (inches)	2.815 inch
Height	101 mm	Height (inches)	3.976 inch
Width	16 mm	Width (inches)	0.63 inch
Net weight	109.905 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)	35 mm²	Wire cross section max. (IECEX)	35 mm²

System specifications

End cover plate required	No	Number of levels	1
Number of clamping points per level	2	Rail	TS 35
N-function	No	PE function	Yes
PEN function	Yes		

Additional technical data

Snap-on	Yes	Type of fixing	Snap-on
Type of mounting	TS 35, Snap-on		

CSA rating data

Certificate No. (CSA)	200039-70089609	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	35 mm²
Clamping range, min.	2.5 mm²	Connection cross-section, stranded, max.	35 mm²
Connection cross-section, stranded, min.	10 mm²	Connection direction	on side
Number of connections	2	Stripping length	25 mm
Twin wire-end ferrules, max.	10 mm²	Twin wire-end ferrules, min.	2.5 mm²
Type of connection	PUSH IN	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm²
Wire connection cross section, finely stranded, min.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

General

Operating temperature range, max.	130 °C	Operating temperature range, min.	-50 °C
Rail	TS 35	Standards	IEC 60947-7-2
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12

Rating data

Rated cross-section	35 mm²	Rated voltage	1,000 V
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	0.26 mΩ
Power loss in accordance with IEC 60947-7-x	4 W	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	2 AWG
Conductor size Factory wiring min. (cURus)	12 AWG	Conductor size Field wiring max. (cURus)	2 AWG
Conductor size Field wiring min. (cURus)	12 AWG	Voltage size B (cURus)	1000 V
Voltage size C (cURus)	1000 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	27250103

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Technical data

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate DNVGL certificate CCC Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks User Manual A2C 35
Catalogues	Catalogues in PDF-format

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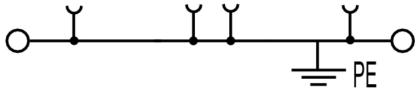
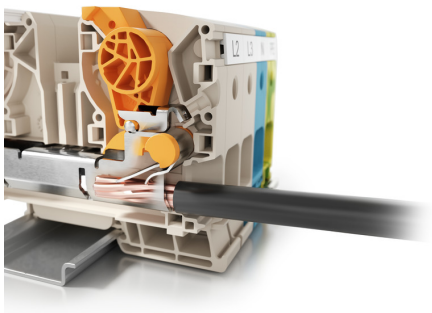
Drawings

Electric symbol