

A2C 35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

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, 35 mm ² , 1000 V, 125 A, dark beige
Order No.	2551510000
Type	A2C 35
GTIN (EAN)	4050118628012
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Depth	71.5 mm	Depth (inches)	2.815 inch
Height	101.5 mm	Height (inches)	3.996 inch
Width	16 mm	Width (inches)	0.63 inch
Net weight	79.726 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	dark beige
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)	880 V	Current (ATEX)	105 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	880 V
Current (IECEX)	105 A	Wire cross section max. (IECEX)	35 mm ²

System specifications

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

Additional technical data

Explosion-tested version	Yes	Open sides	closed
Snap-on	Yes	Type of fixing	TS 35
Type of mounting	TS 35		

CSA rating data

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	101 A
Current size C (CSA)	101 A	Current size D (CSA)	15 A
Voltage size B (CSA)	1000 V	Voltage size C (CSA)	1000 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

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Technical data

Conductors for clamping (rated connection)

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

General

Number of poles	1	Operating temperature range, max.	130 °C
Operating temperature range, min.	-50 °C	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12		

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	125 A	Current at maximum wires	125 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage	8 kV	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	Current size B (cURus)	113 A
Current size C (cURus)	113 A	Current size D (cURus)	5 A
Voltage size B (cURus)	1000 V	Voltage size C (cURus)	1000 V
Voltage size D (cURus)	600 V		

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Technical data

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

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

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Atestation of Conformity UKCA Ex Attestation of Conformity IECEX Certificate ATEX Certificate DNVGL certificate CCC Ex Certificate UKCA 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 NTI A2C 35 User Manual A2C 35
Catalogues	Catalogues in PDF-format

Data sheet

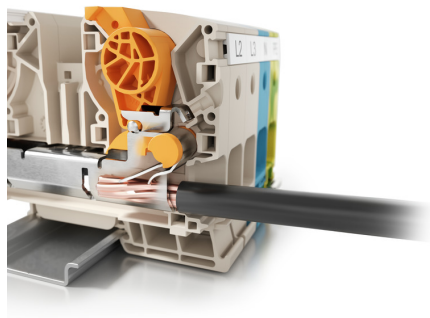
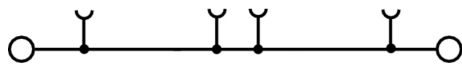
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Drawings

Electric symbol



Data sheet

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Drawings

