Data sheet

A2C 35

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal, PUSH IN, 35 mm², 1000 V, 125 A, dark beige
Order No.	2551510000
Type	A2C 35
GTIN (EAN)	4050118628012
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	71.5 mm	Depth (inches)	2.815 inch
Height	101.5 mm	Height (inches)	3.9961 inch
Width	16 mm	Width (inches)	0.6299 inch
Net weight	79.73 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

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

Material data

Basic 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 mm²	Max. voltage (IECEX)	880 V
Current (IECEX)	105 A	Wire cross section max. (IECEX)	35 mm²

System specifications

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

Additional technical data

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

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Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

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

General

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

Rating data

Rated cross-section	35 mm²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal 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	4.00 W
Surge voltage category	III	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	2 AWG	Voltage size B (cURus)	1000 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	12 AWG	Conductor size Factory wiring min. (cURus)	12 AWG
Current size B (cURus)	113 A	Voltage size C (cURus)	1000 V
Current size C (cURus)	113 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	2 AWG		

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Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

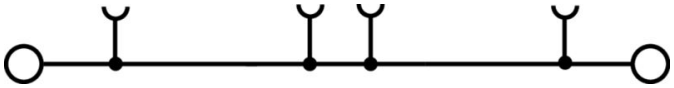
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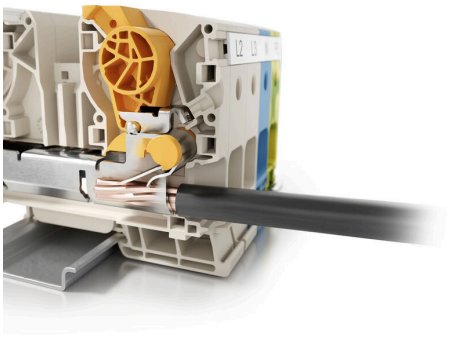
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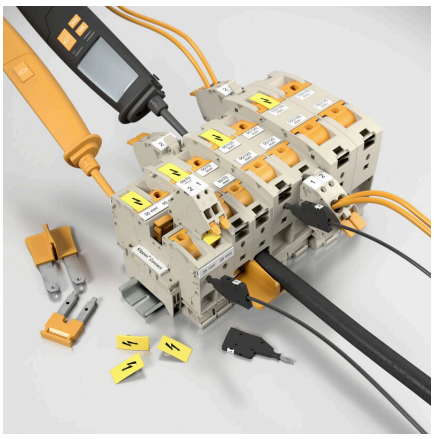
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Drawings

Electric symbol







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