

A2C 150/185**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, 150 mm ² , 1000 V, 309 A, dark beige
Order No.	2728700000
Type	A2C 150/185
GTIN (EAN)	4050118801187
Qty.	5 items

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Technical data

Approvals

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

Dimensions and weights

Depth	98 mm	Depth (inches)	3.8583 inch
Height	118 mm	Height (inches)	4.6457 inch
Width	31 mm	Width (inches)	1.2205 inch
Net weight	306.04 g		

Temperatures

Storage temperature	-25 °C...55 °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)	1100 V	Current (ATEX)	272 A
Wire cross section max. (ATEX)	185 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	272 A	Wire cross section max. (IECEX)	185 mm ²

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	No
Type of mounting	TS 35		

Technical data

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B13	Wire connection cross section AWG, max.	kcmil 300
Connection direction	on side	Stripping length	40 mm
Type of connection	PUSH IN	Number of connections	2
Clamping range, max.	185 mm ²	Clamping range, min.	50 mm ²
Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 1/0
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	150 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	50 mm ²
Wire connection cross section, finely stranded, max.	185 mm ²	Wire connection cross section, finely stranded, min.	50 mm ²
Connection cross-section, stranded, max.	185 mm ²	Connection cross-section, stranded, min.	50 mm ²
Wire connection cross-section, solid core, max.	150 mm ²	Wire connection cross-section, solid core, min.	50 mm ²
Connection cross-section, finely stranded, min.	50 mm ²		

General

Wire connection cross section AWG, max.	kcmil 300	Wire connection cross section AWG, min.	AWG 1/0
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	150 mm ²	Rated voltage	1000 V
Rated DC voltage	1500 V	Nominal current	309 A
Current at maximum wires	309 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	9.89 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	350 kcmil	Voltage size B (cURus)	600 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	2 AWG
Conductor size Factory wiring min. (cURus)	2 AWG	Current size B (cURus)	310 A
Voltage size C (cURus)	600 V	Current size C (cURus)	310 A
Conductor size Field wiring max. (cURus)	350 kcmil		

Important note

Product information The max. connectable wire reduces by one wire size if a cross connector is used that has to be mounted in the wire entry.

Technical data**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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
ECLASS 15.0	27-25-01-01		

Drawings

