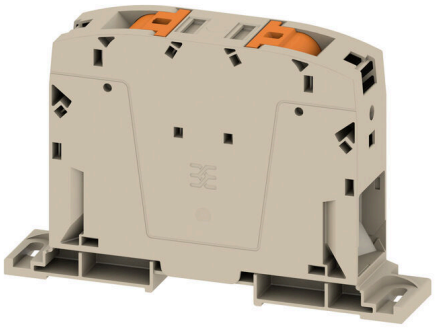
Data sheet

A2C 150/185-DM

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 mm², 1000 V, 309 A, dark beige
Order No.	2728770000
Type	A2C 150/185-DM
GTIN (EAN)	4050118801552
Qty.	5 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	98 mm	Depth (inches)	3.8583 inch
Height	151 mm	Height (inches)	5.9449 inch
Width	31 mm	Width (inches)	1.2205 inch
Net weight	316.69 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °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%	
Product Carbon Footprint	Cradle to gate	4.94 kg CO2 eq.

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 mm²	Max. voltage (IECEX)	1100 V
Current (IECEX)	272 A	Wire cross section max. (IECEX)	185 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	Mounting plate
N-function	No	PE function	No
PEN function	No		

Additional technical data

Open sides	closed	Snap-on	No
Type of fixing	when screwed in	Explosion-tested version	No

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Technical data

Type of mounting	Direct mounting

CSA rating data

Wire cross section max. (CSA)	350 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	310 A	Certificate No. (CSA)	227442-80219640
Voltage size B (CSA)	600 V	Current size B (CSA)	310 A
Wire cross section min. (CSA)	2 AWG		

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 mm²	Clamping range, min.	50 mm²
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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	50 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	50 mm²
Wire connection cross-section, finely stranded, max.	185 mm²	Wire connection cross section, finely stranded, min.	50 mm²
Connection cross-section, stranded, max.	185 mm²	Connection cross-section, stranded, min.	50 mm²
Wire connection cross-section, solid core, max.	150 mm²	Wire connection cross-section, solid core, min.	50 mm²
Connection cross-section, finely stranded (rated connection), min.	50 mm²		

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	Mounting plate

PE rating data

PEN function	No

Rating data

Rated cross-section	150 mm²	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	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		

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Technical data

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.

Classifications

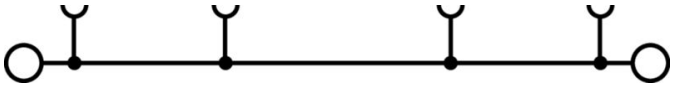
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ECLASS 15.0	27-25-01-01		

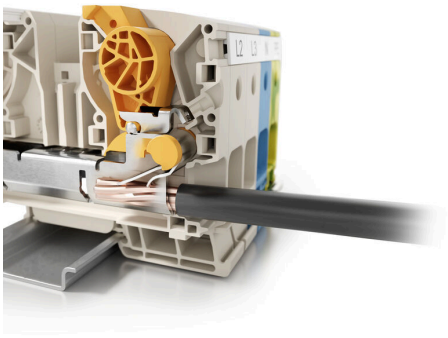
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Drawings







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Drawings

