

A2C 150/185 BL-DM

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, blue
Order No.	2728780000
Type	A2C 150/185 BL-DM
GTIN (EAN)	4050118801736
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	151 mm	Height (inches)	5.9449 inch
Width	31 mm	Width (inches)	1.2205 inch
Net weight	316.43 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%

Material data

Basic material	Wemid	Colour	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEx)	IECEx TUR16.0036U
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	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
Type of mounting	Direct mounting		

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

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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	Mounting plate

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.
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Classifications

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

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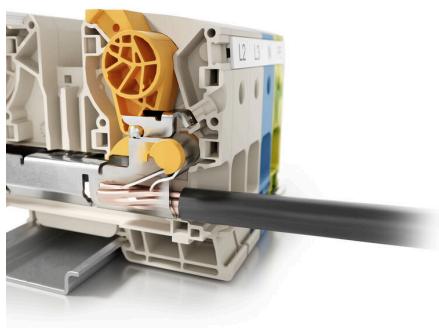
ECLASS 15.0

27-25-01-01

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Drawings

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Drawings



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Accessories

WS 8/16



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS-A 8/16 MM WS	Version
Order No.	2619910000	WS, Terminal marker, 8 x 16 mm, Weidmueller, white
GTIN (EAN)	4050118626179	
Qty.	200 ST	

auxillary connection



The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

General ordering data

Type	AAC 50-185 2X10	Version
Order No.	2663420000	Auxiliary connection (terminal), 10 mm ² , Number of connections: 2
GTIN (EAN)	4064675027966	
Qty.	5 ST	
Type	AAC 50-185 2X10 BK-YL	Version
Order No.	2663450000	Auxiliary connection (terminal), 10 mm ² , Number of connections: 2
GTIN (EAN)	4064675027997	
Qty.	5 ST	
Type	AAC 50-185 2X10 BL	Version
Order No.	2663430000	Auxiliary connection (terminal), 10 mm ² , Number of connections: 2
GTIN (EAN)	4064675027973	
Qty.	5 ST	

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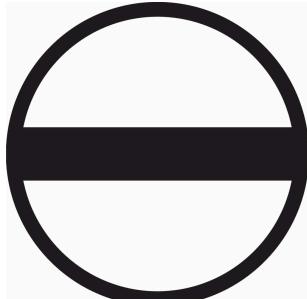
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Accessories

Type	AAC 50-185 2X10 GN-YL	Version
Order No.	2663440000	Auxiliary connection (terminal), 10 mm ² , Number of connections: 2
GTIN (EAN)	4064675027980	
Qty.	5 ST	

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade
GTIN (EAN)	4050118895605	thickness (A): 1 mm
Qty.	1 ST	
Type	SDS 1.0X5.5X150	Version
Order No.	9008350000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056316	
Qty.	1 ST	

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	FZS 2/4 RT/80 SAKT4	Version
Order No.	1276300000	Plug (terminal), Plug-in connection, 2 mm ² , Number of connections: 2,
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm
Qty.	20 ST	