A2C 150/185

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

www.weidmueller.com

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, 150 mm², 1000 V, 309 A, dark beige
Order No.	2728700000
Type	A2C 150/185
GTIN (EAN)	4050118801187
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	98 mm	Depth (inches)	3.858 inch
Height	118 mm	Height (inches)	4.646 inch
Width	31 mm	Width (inches)	1.22 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		

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)	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	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Open sides	closed
Snap-on	Yes	Type of fixing	TS 35
Type of mounting	TS 35		

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.	185 mm²
Clamping range, min.	50 mm²	Connection cross-section, stranded, max.	185 mm²
Connection cross-section, stranded, min.	50 mm²	Connection direction	on side
Gauge to IEC 60947-1	B13	Number of connections	2
Stripping length	40 mm	Type of connection	PUSH IN
Wire connection cross section AWG, max.	kcmil 300	Wire connection cross section AWG, min.	AWG 1/0
Wire connection cross section, finely stranded, max.	185 mm²	Wire connection cross section, finely stranded, 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 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, solid core, max.	150 mm²	Wire connection cross-section, solid core, min.	50 mm²

General

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

Rating data

Rated cross-section	150 mm²	Rated voltage	1,000 V
Rated DC voltage	1,500 V	Rated 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	Pollution severity	3
Surge voltage category	III		

UL rating data

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

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

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Technical data

Environmental Product Compliance

REACH SVHC	/

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.

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity CCC Ex Certificate CE Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet NTI A2C 150_185
Catalogues	Catalogues in PDF-format

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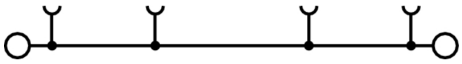
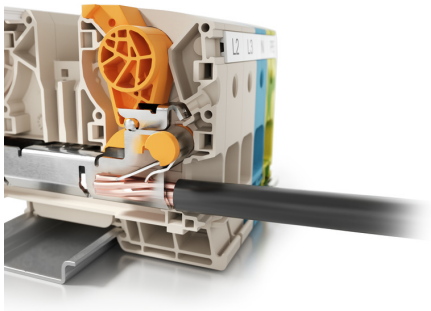
Drawings





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Accessories

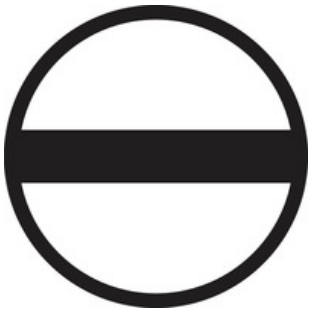
A-Series

Power feed-in
Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Type	AAC 50-185 2X10	Version
Order No.	2663420000	Auxiliary connection (terminal), 10 mm², Number of connections: 2
GTIN (EAN)	4064675027966	
Qty.	5 pc(s).	
Type	AAC 50-185 2X10 BL	Version
Order No.	2663430000	Auxiliary connection (terminal), 10 mm², Number of connections: 2
GTIN (EAN)	4064675027973	
Qty.	5 pc(s).	
Type	AAC 50-185 2X10 GN-YL	Version
Order No.	2663440000	Auxiliary connection (terminal), 10 mm², Number of connections: 2
GTIN (EAN)	4064675027980	
Qty.	5 pc(s).	
Type	AAC 50-185 2X10 BK-YL	Version
Order No.	2663450000	Auxiliary connection (terminal), 10 mm², Number of connections: 2
GTIN (EAN)	4064675027997	
Qty.	5 pc(s).	

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version
Order No.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 pc(s).	

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Accessories

A-Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SCL/1 V0 BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0	Version
Order No.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SC/1 BK	Version
Order No.	2475310000	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 pc(s).	
Type	AEB 35 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	

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Accessories

WS 8/16

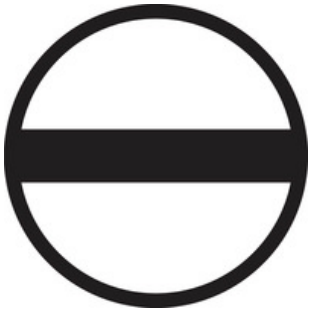
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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 pc(s).	

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 pc(s).	