

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 mm ² , 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 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	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 mm ²
Clamping range, min.	50 mm ²	Connection cross-section, stranded, max.	185 mm ²
Connection cross-section, stranded, min.	50 mm ²	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 mm ²	Wire connection cross section, finely stranded, 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 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, solid core, max.	150 mm ²	Wire connection cross-section, solid core, min.	50 mm ²

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 mm ²	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
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		

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Technical data

Environmental Product Compliance

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

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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Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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

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Drawings

