

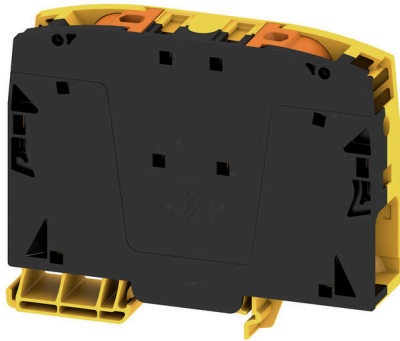
A2C 50/70 FE**Weidmüller Interface GmbH & Co. KG**

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, 50 mm ² , 1000 V, 150 A, black/yellow
Order No.	2663270000
Type	A2C 50/70 FE
GTIN (EAN)	4050118884074
Qty.	5 items

A2C 50/70 FE

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	80.5 mm	Depth (inches)	3.1693 inch
Height	101.5 mm	Height (inches)	3.9961 inch
Width	20 mm	Width (inches)	0.7874 inch
Net weight	34.2 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	black/yellow
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)	128 A
Wire cross section max. (ATEX)	70 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	128 A		

System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	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	Snap-on	Explosion-tested version	Yes
Type of mounting	TS 35, Snap-on		

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CSA rating data

Voltage size C (CSA)	1000 V	Certificate No. (CSA)	200039-80069332
Voltage size B (CSA)	1000 V	Voltage size D (CSA)	600 V
Wire cross section min. (CSA)	8 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 2/0	Connection direction	on side
Stripping length	30 mm	Type of connection	PUSH IN
Number of connections	2	Clamping range, max.	70 mm ²
Clamping range, min.	10 mm ²	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 8	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²	Wire connection cross section, finely stranded, max.	70 mm ²
Wire connection cross section, finely stranded, min.	10 mm ²	Connection cross-section, stranded, max.	70 mm ²
Connection cross-section, stranded, min.	10 mm ²	Twin wire-end ferrules, max.	10 mm ²
Twin wire-end ferrules, min.	4 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	10 mm ²	Connection cross-section, finely stranded, min.	10 mm ²

General

Wire connection cross section AWG, max.	AWG 2/0	Wire connection cross section AWG, min.	AWG 8
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	50 mm ²	Rated voltage	1000 V
Rated DC voltage	1500 V	Nominal current	150 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.21 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.80 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	00 AWG	Voltage size B (cURus)	1000 V
Voltage size D (cURus)	600 V	Wire cross section max. (cURus)	00 AWG
Certificate No. (cURus)	E60693	Wire cross section min. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	8 AWG	Conductor size Factory wiring min. (cURus)	8 AWG
Voltage size C (cURus)	1000 V	Conductor size Field wiring max. (cURus)	00 AWG

Technical data

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

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Drawings

