Data sheet

A2C 50/70 DL

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 mm², 1000 V, 150 A, dark beige
Order No.	2742090000
Type	A2C 50/70 DL
GTIN (EAN)	4064675002383
Qty.	5 items

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Technical data

Approvals

Approvals	
ROHS	Conform

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	129.1 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	4.067 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
Wire cross section max. (ATEX)	70 mm²	Wire cross section max. (IECEX)	70 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	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	Snap-on		

CSA rating data

Voltage size C (CSA)	1000 V	Current size C (CSA)	175 A
Certificate No. (CSA)	200039-80069332	Voltage size B (CSA)	1000 V
Current size B (CSA)	175 A	Voltage size D (CSA)	600 V
Current size D (CSA)	5 A	Wire cross section min. (CSA)	8 AWG

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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 mm²
Clamping range, min.	10 mm²	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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²	Wire connection cross-section, finely stranded, max.	70 mm²
Wire connection cross section, finely stranded, min.	10 mm²	Connection cross-section, stranded, max.	70 mm²
Connection cross-section, stranded, min.	10 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	10 mm²	Connection cross-section, finely stranded (rated connection), min.	10 mm²

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

PE rating data

PEN function	No

Rating data

Rated cross-section	50 mm²	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	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		

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		

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Drawings



