

A2C 10 BK**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, 10 mm ² , 1000 V, 57 A, black
Order No.	2876670000
Type	A2C 10 BK
GTIN (EAN)	4064675664901
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Depth	51.5 mm	Depth (inches)	2.028 inch
Height	80.5 mm	Height (inches)	3.169 inch
Width	10 mm	Width (inches)	0.394 inch
Net weight	32.315 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

Material	Wemid	Colour	black
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)	550 V	Current (ATEX)	52 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	52 A	Wire cross section max. (IECEX)	0.5 mm ²

System specifications

End cover plate required	Yes	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

Clamping range, max.	16 mm ²		
Connection cross-section, stranded, max.	16 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Number of connections	2		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.75 mm ²
		max.	1 mm ²
	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	max.	18 mm
		min.	12 mm

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Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	min.	6 mm ²
		max.	10 mm ²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm ²
		max.	10 mm ²
	Tube length	nominal	18 mm
Twin wire-end ferrules, max.	4 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
Type of connection	PUSH IN		
Wire connection cross section, finely stranded, max.	16 mm ²		
Wire connection cross section, finely stranded, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	10 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

Rating data

Rated cross-section	10 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 V	Rated current	57 A
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Pollution severity	3
Surge voltage category	III		

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

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	20-AV4BO-0269U Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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Drawings

