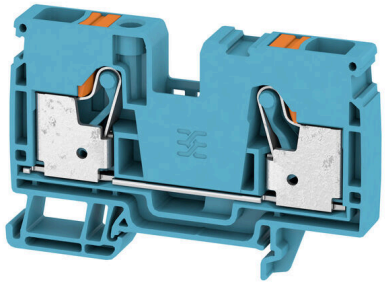
Data sheet

A2C 10 BL

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

www.weidmueller.com

Product image



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 mm², 1000 V, 57 A, blue
Order No.	2490370000
Type	A2C 10 BL
GTIN (EAN)	4050118500806
Qty.	25 items

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Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	51.5 mm	Depth (inches)	2.0276 inch
Depth including DIN rail	52.5 mm	Height	80.5 mm
Height (inches)	3.1693 inch	Width	10 mm
Width (inches)	0.3937 inch	Net weight	32.31 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	0.741 kg CO2 eq.

Material data

Basic material	Wemid	Colour	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

End cover plate required	Yes	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		

Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Installation advice	Rail	Explosion-tested version	Yes
Type of mounting	TS 35		

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Technical data

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	55 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	600 V	Current size B (CSA)	55 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6		
Wire connection cross section AWG, max.	AWG 6		
Connection direction	top		
Stripping length	18 mm		
Type of connection	PUSH IN		
Number of connections	2		
Clamping range, max.	16 mm²		
Clamping range, min.	0.5 mm²		
Blade size	1.0 x 5.5 mm		
Wire connection cross section AWG, min.	AWG 20		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²		
Wire connection cross section, finely stranded, max.	16 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Connection cross-section, stranded, max.	16 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Twin wire-end ferrules, max.	4 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	10 mm²		
Wire connection cross-section, solid core, min.	0.5 mm²		
Connection cross-section, finely stranded, min.	0.5 mm²		
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 mm²
		max.	4 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²

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Technical data

Tube length for twin wire-end ferrule	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm²
		max.	1 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	10 mm²
Tube length for wire-end ferrule with plastic collar acc. to cross-section	Cross-section, min.	1.5 mm²	
	Cross-section, max.	4 mm²	
	Tube length, min.	18 mm	
	Tube length, max.	18 mm	
	Cross-section, min.	6 mm²	
	Cross-section, max.	10 mm²	
	Tube length, min.	12 mm	
	Tube length, max.	18 mm	
Tube length for wire-end ferrule without plastic collar acc. to cross-section	Cross-section, min.	1.5 mm²	
	Cross-section, max.	10 mm²	
	Tube length, min.	18 mm	
Tube length for twin wire-end ferrule acc. to cross-section	Cross-section, min.	0.75 mm²	
	Cross-section, max.	1 mm²	
	Tube length, min.	18 mm	
	Tube length, max.	18 mm	
	Cross-section, min.	1.5 mm²	
	Cross-section, max.	4 mm²	
	Tube length, min.	12 mm	
	Tube length, max.	18 mm	

General

Wire connection cross section AWG, max.	AWG 6	Installation advice	Rail
Wire connection cross section AWG, min.	AWG 20	Standards	DIN EN 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	10 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	57 A
Current at maximum wires	57 A	Standards	DIN EN 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	6 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	20 AWG	Conductor size Factory wiring min. (cURus)	20 AWG
Current size B (cURus)	55 A	Voltage size C (cURus)	600 V
Current size C (cURus)	55 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	6 AWG		

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Technical data

Classifications

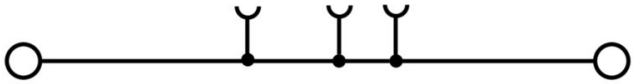
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ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings



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