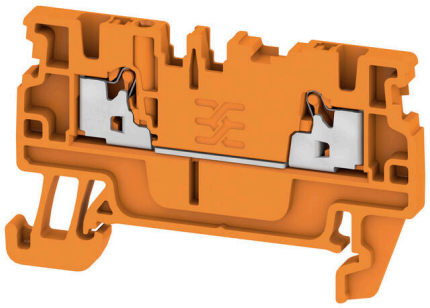
Data sheet

A2C 1.5 OR

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, 1.5 mm², 500 V, 17.5 A, orange
Order No.	1552830000
Type	A2C 1.5 OR
GTIN (EAN)	4050118359633
Qty.	100 items

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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	33.5 mm	Depth (inches)	1.3189 inch
Depth including DIN rail	34 mm	Height	55 mm
Height (inches)	2.1654 inch	Width	3.5 mm
Width (inches)	0.1378 inch	Net weight	2.7 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	orange
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)	15 A
Wire cross section max. (ATEX)	1.5 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	15 A	Wire cross section max. (IECEX)	1.5 mm²
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
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

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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		

CSA rating data

Wire cross section max. (CSA)	14 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	13 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	300 V	Current size B (CSA)	13 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A1		
Wire connection cross section AWG, max.	AWG 14		
Connection direction	top		
Stripping length	8 mm		
Type of connection	PUSH IN		
Number of connections	2		
Clamping range, max.	1.5 mm²		
Clamping range, min.	0.14 mm²		
Blade size	0.4 x 2.0 mm		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm²		
Wire connection cross section, finely stranded, max.	1.5 mm²		
Wire connection cross section, finely stranded, min.	0.14 mm²		
Connection cross-section, stranded, max.	1.5 mm²		
Connection cross-section, stranded, min.	0.14 mm²		
Wire connection cross-section, solid core, max.	1.5 mm²		
Wire connection cross-section, solid core, min.	0.14 mm²		
Connection cross-section, finely stranded, min.	0.14 mm²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	8 mm

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Technical data

	Cross-section for conductor connection	min.	0.14 mm²
		max.	0.75 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	5 mm
	Cross-section for conductor connection	nominal	0.25 mm²
	Tube length	nominal	6 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²
Tube length for wire-end ferrule with plastic collar acc. to cross-section	Cross-section, min.	0.14 mm²	
	Cross-section, max.	0.75 mm²	
	Tube length, min.	6 mm	
	Tube length, max.	8 mm	
Tube length for wire-end ferrule without plastic collar acc. to cross-section	Cross-section, min.	0.25 mm²	
	Cross-section, max.	0.25 mm²	
	Tube length, min.	5 mm	
	Tube length, max.	5 mm	
	Cross-section, min.	0.5 mm²	
	Cross-section, max.	1 mm²	
	Tube length, min.	6 mm	
	Tube length, max.	6 mm	
	Cross-section, min.	1.5 mm²	
	Cross-section, max.	1.5 mm²	
	Tube length, min.	10 mm	
	Tube length, max.	10 mm	

General

Wire connection cross section AWG, max.	AWG 14	Installation advice	Rail
Wire connection cross section AWG, min.	AWG 26	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	1.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	17.5 A
Current at maximum wires	17.5 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.83 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.56 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	14 AWG	Voltage size B (cURus)	300 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Current size B (cURus)	13 A	Voltage size C (cURus)	300 V
Current size C (cURus)	13 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	14 AWG		

Important note

Product information	For the wire end ferrules H1/10 and H1.5/10 a stripping length of 10 mm is to apply.

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Technical data

Classifications

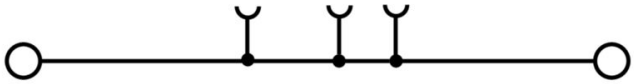
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ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings



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