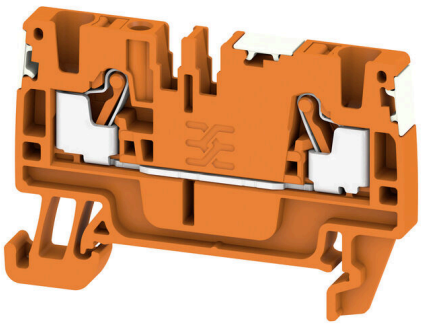
Data sheet

A2C 2.5 DL OR

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, 2.5 mm², 800 V, 24 A, orange
Order No.	2799150000
Type	A2C 2.5 DL OR
GTIN (EAN)	4064675260684
Qty.	100 items

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	36.5 mm	Depth (inches)	1.437 inch
Height	55 mm	Height (inches)	2.1654 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	6.73 g		

Temperatures

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	0.161 kg CO2 eq.

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)	20 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm²

System specifications

End cover plate required	Yes	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

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	600 V	Current size B (CSA)	20 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A

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Technical data

Wire cross section min. (CSA)	28 AWG

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12		
Connection direction	top		
Stripping length	10 mm		
Type of connection	PUSH IN		
Number of connections	2		
Clamping range, max.	4 mm²		
Clamping range, min.	0.14 mm²		
Wire connection cross section AWG, min.	AWG 28		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 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.	4 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.	4 mm²		
Wire connection cross section, finely stranded, min.	0.14 mm²		
Connection cross-section, stranded, max.	4 mm²		
Connection cross-section, stranded, min.	0.14 mm²		
Wire connection cross-section, solid core, max.	2.5 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
	Cross-section for conductor connection	min.	0.14 mm²
		max.	0.34 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
Tube length for twin wire-end ferrule	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	0.75 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	5 mm

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Technical data

	Cross-section for conductor connection	nominal	0.25 mm²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	7 mm
		max.	12 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
Tube length for wire-end ferrule with plastic collar acc. to cross-section	Cross-section, min.	0.14 mm²	
	Cross-section, max.	0.34 mm²	
	Tube length, min.	6 mm	
	Tube length, max.	8 mm	
	Cross-section, min.	0.5 mm²	
	Cross-section, max.	1 mm²	
	Tube length, min.	6 mm	
	Tube length, max.	12 mm	
	Cross-section, min.	1.5 mm²	
	Cross-section, max.	2.5 mm²	
	Tube length, min.	8 mm	
	Tube length, max.	12 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.	10 mm	
	Cross-section, min.	1.5 mm²	
	Cross-section, max.	2.5 mm²	
	Tube length, min.	7 mm	
	Tube length, max.	12 mm	
Tube length for twin wire-end ferrule acc. to cross-section	Cross-section, min.	0.5 mm²	
	Cross-section, max.	0.75 mm²	
	Tube length, min.	8 mm	
	Tube length, max.	12 mm	

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
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

