

**A2C 2.5 BR****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, 2.5 mm <sup>2</sup> , 800 V, 24 A, brown
Order No.	<a href="#">2508030000</a>
Type	A2C 2.5 BR
GTIN (EAN)	4050118525199
Qty.	100 pc(s).

Creation date August 26, 2023 5:28:12 AM CEST

Catalogue status 18.08.2023 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Depth	36.5 mm	Depth (inches)	1.437 inch
Depth including DIN rail	37 mm	Height	55 mm
Height (inches)	2.165 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	6.4 g

**Temperatures**

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

**Material data**

Material	Wemid	Colour	brown
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 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>
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
Levels cross-connected internally	No	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

**Additional technical data**

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

**CSA rating data**

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	28 AWG		

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.14 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	top
Gauge to IEC 60947-1	A3

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## Technical data

Number of connections	2			
Stripping length	10 mm			
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	0.75 mm <sup>2</sup>	
	Tube length	max.	12 mm	
		min.	8 mm	
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm <sup>2</sup>	
		max.	0.34 mm <sup>2</sup>	
	Tube length	max.	8 mm	
		min.	6 mm	
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	1 mm <sup>2</sup>	
	Tube length	max.	12 mm	
		min.	6 mm	
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
		max.	2.5 mm <sup>2</sup>	
	Tube length	max.	12 mm	
		min.	8 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	5 mm	
		Cross-section for conductor connection	nominal	0.25 mm <sup>2</sup>
	Tube length	max.	10 mm	
		min.	6 mm	
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	1 mm <sup>2</sup>	
	Tube length	max.	12 mm	
		min.	7 mm	
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
		max.	4 mm <sup>2</sup>	
	Twin wire-end ferrules, max.	0.75 mm <sup>2</sup>		
	Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Type of connection	PUSH IN			
Wire connection cross section AWG, max.	AWG 12			
Wire connection cross section AWG, min.	AWG 28			
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>			
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>			

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## Technical data

### General

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 28		

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated 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	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3	Surge voltage category	III

### UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	28 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	28 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 V
Voltage size D (cURus)	600 V		

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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

### Approvals

Approvals



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

## Data sheet

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">DE PT0101 2017 1010 029 ISSUE01.pdf</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon® Connect 2508030000 EN</a> <a href="#">Klippon® Connect 2508030000 DE</a>
User Documentation	<a href="#">NTI_A2C 2.5.pdf</a> <a href="#">NTI_ALO 6</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ALO 16</a> <a href="#">BPZL AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

