A2C 6 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, 6 mm², 800 V, 41 A, blue
Order No.	1991790000
Type	A2C 6 BL
GTIN (EAN)	4050118376494
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.791 inch
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.618 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	16.37 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	blue
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)	37 A
Wire cross section max. (ATEX)	6 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	37 A	Wire cross section max. (IECEX)	6 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	PE connection	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)	38 A
Current size C (CSA)	38 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)	8 AWG
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, max.	6 mm²
Clamping range, min.	0.34 mm²
Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.5 mm²
Connection direction	top
Gauge to IEC 60947-1	A5

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Number of connections	2		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	1.5 mm²
	Tube length	max.	18 mm
		min.	12 mm
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	max.	18 mm
		min.	10 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	max.	18 mm²
		min.	10 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	nominal	6 mm²
	Tube length	max.	18 mm
		min.	10 mm
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Type of connection	PUSH IN		
Wire connection cross section AWG, max.	AWG 8		
Wire connection cross section AWG, min.	AWG 22		
Wire connection cross section, finely stranded, max.	6 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²		

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

General

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

Rating data

Rated cross-section	6 mm²	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	41 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	8 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	22 AWG	Current size B (cURus)	38 A
Current size C (cURus)	38 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

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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate EAC certificate DNVGL certificate MARITREG certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1991790000 DE Klippon® Connect 1991790000 EN
User Documentation	NTI_A2C 6.pdf Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks NTI ALO16 BPZL AXC 1.5-16
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings