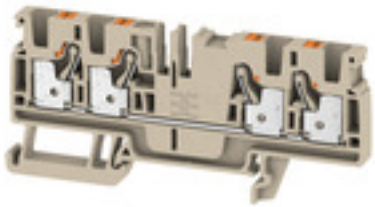
A4C 4

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, 4 mm², 800 V, 32 A, dark beige
Order No.	2051500000
Type	A4C 4
GTIN (EAN)	4050118411621
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	39.5 mm	Depth (inches)	1.555 inch
Depth including DIN rail	40.5 mm	Height	87.5 mm
Height (inches)	3.445 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	15.06 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	dark beige
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)	30 A
Wire cross section max. (ATEX)	4 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	30 A	Wire cross section max. (IECEX)	4 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	4
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	Yes	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)	30 A
Current size C (CSA)	30 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)	10 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	6 mm²

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Technical data

Clamping range, min.	0.14 mm²		
Connection cross-section, stranded, max.	6 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Connection direction	top		
Gauge to IEC 60947-1	A4		
Number of connections	4		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1.5 mm²
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	max.	12 mm
		min.	10 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	max.	10 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	12 mm
		min.	7 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	max.	15 mm
		min.	9 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
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 12		
Wire connection cross section AWG, min.	AWG 26		
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.	4 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²		

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Technical data

Wire connection cross-section, solid core, max.	4 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 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	4 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cU-Rus)	10 AWG
Conductor size Factory wiring min. (cU-Rus)	26 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size B (cURus)	30 A
Current size C (cURus)	30 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	ETIM 9.0	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	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	/

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Technical data

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate CCC Ex Certificate UKCA Ex Certificate 20-AV4BO-0269U DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 2051500000 DE Klippon® Connect 2051500000 EN
User Documentation	NTI_A4C 4.pdf StorageConditionsTerminalBlocks NTI ALO16 User Manual AXC 1.5-16
Catalogues	Catalogues in PDF-format
Brochures	

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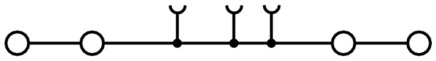
Drawings