

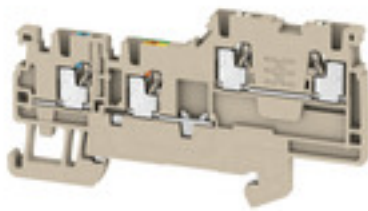
AIO21 1.5 SO-PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.

General ordering data

Version	Initiator/actuator terminal, PUSH IN, 1.5 mm ² , 250 V, 13.5 A, dark beige
Order No.	1992250000
Type	AIO21 1.5 SO-PE
GTIN (EAN)	4050118377347
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	42 mm	Depth (inches)	1.654 inch
Depth including DIN rail	43 mm	Height	80 mm
Height (inches)	3.15 inch	Width	3.5 mm
Width (inches)	0.138 inch	Net weight	9.559 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	blue, Green/yellow, white	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8031U	Certificate No. (IECEX)	IECEXTUR17.0016U
Max. voltage (ATEX)	220 V	Current (ATEX)	12 A
Wire cross section max. (ATEX)	1.5 mm ²	Max. voltage (IECEX)	220 V
Current (IECEX)	12 A	Wire cross section max. (IECEX)	1.5 mm ²
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	3
Number of levels	2	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	N-function	Yes
PE function	Yes	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 D (CSA)	13 A
Voltage size D (CSA)	150 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm
Clamping range, max.	1.5 mm ²
Clamping range, min.	0.14 mm ²
Connection cross-section, stranded, max.	1.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	top
Gauge to IEC 60947-1	A1
Number of connections	4

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Stripping length	8 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm ²
		max.	0.75 mm ²
	Tube length	min.	6 mm
		max.	8 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.25 mm ²
	Tube length	min.	5 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	nominal	6 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	nominal	10 mm
Type of connection	PUSH IN		
Type of connection 2	PUSH IN		
Wire connection cross section AWG, max.	AWG 14		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross section, finely stranded, max.	1.5 mm ²		
Wire connection cross section, finely stranded, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	1.5 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

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

Rating data

Rated cross-section	1.5 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	13.5 A
Current at maximum wires	13.5 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.83 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.12 W	Pollution severity	3
Surge voltage category	III		

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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	14 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	14 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size D (cURus)	13 A
Voltage size D (cURus)	150 V		

Classifications

ETIM 6.0	EC000900	ETIM 7.0	EC000900
ETIM 8.0	EC000900	ETIM 9.0	EC000900
ECLASS 9.0	27-14-11-28	ECLASS 9.1	27-14-11-28
ECLASS 10.0	27-14-11-28	ECLASS 11.0	27-14-11-28
ECLASS 12.0	27-14-11-28	ECLASS 13.0	27-25-01-12
ECLASS 14.0	27-25-01-12		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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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Approvals

Approvals



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

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Approval/Certificate/Document of Conformity	Attestation of Conformity
	IECEX Certificate
	ATEX Certificate
	CB Test Certificate
	CB Certificate
	DNVGL certificate
	BV certificate
	CCC Ex Certificate
	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 1992250000 DE
	Klippon® Connect 1992250000 EN
User Documentation	NTI_AIO21_1.5 SI.pdf
	NTI_AIO21_1.5 SO
	StorageConditionsTerminalBlocks
	User Manual AXC PE
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

