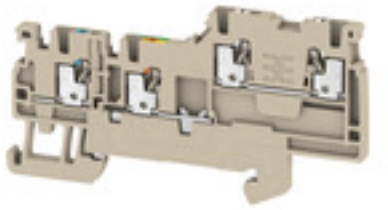
AIO21 1.5 SO-PE

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Signal wiring
Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

General ordering data

Version	Initiator/actuator terminal, PUSH IN, 1.5 mm², 250 V, 13.5 A, dark beige
Order No.	1992250000
Type	AIO21 1.5 SO-PE
GTIN (EAN)	4050118377347
Qty.	100 pc(s).

Creation date March 26, 2021 7:49:23 PM CET

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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	Net weight	9.559 g
Width	3.5 mm	Width (inches)	0.138 inch

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 mm²	Max. voltage (IECEX)	220 V
Current (IECEX)	12 A	Wire cross section max. (IECEX)	1.5 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	3
Number of levels	2	Levels cross-connected internally	No
PE connection	Yes	Rail	TS 35
N-function	Yes	PE function	Yes
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 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 mm²
Clamping range, min.	0.14 mm²
Connection cross-section, stranded, max.	1.5 mm²
Connection cross-section, stranded, min.	0.5 mm²
Connection direction	top
Gauge to IEC 60947-1	A1
Number of connections	4
Stripping length	8 mm

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Technical data

Tube length for AEH with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm²
		max.	0.75 mm²
	Tube length	min.	6 mm
		max.	8 mm
Tube length for AEH without plastic collar DIN 46228/1	Tube length	min.	5 mm
	Cross-section for conductor connection	nominal	0.25 mm²
	Tube length	nominal	6 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²

Type of connection	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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 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.	1 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	1.5 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

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

Power loss in accordance with IEC 60947-7-x	1.12 W	Rated cross-section	1.5 mm²
Rated 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
Pollution severity	3	Surge voltage category	III

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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
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

Important note

Product information	For the wire end ferrules H1/10 and H1.5/10 a stripping length of 10 mm is to apply.

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate MARITREG certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1992250000 DE Klippon® Connect 1992250000 EN
User Documentation	NTI_AIO21 1.5 SI.pdf NTI_AIO21 1.5 SO StorageConditionsTerminalBlocks

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Drawings