A-series
AIO21 1.5 SO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 1429-0
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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

Type	AIO21 1.5 SO
Order No.	1992240000
Version	Initiator/actuator terminal, PUSH IN, 1.5 mm², 250 V, 13.5 A, Dark Beige
GTIN (EAN)	4050118377545
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Width	3.5 mm	Width (inches)	0.138 inch
Height	80 mm	Height (inches)	3.15 inch
Depth	42 mm	Depth (inches)	1.654 inch
Depth including DIN rail	43 mm	Net weight	5.853 g

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	Dark Beige
Colour of operational elements	Blue, White	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	Yes	PE function	No
PEN function	No		

Additional technical data

Installation advice	Mounting rail	Open sides	right
Type of fixing	Snap-on	Type of mounting	TS 35

Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm	Clamping range, rated connection, max.	1.5 mm²
Clamping range, rated connection, min.	0.14 mm²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Gauge to IEC 60947-1	A1
Number of connections	3	Stripping length	8 mm
Type of connection	PUSH IN	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	1.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	1.5 mm²
Wire connection cross section, solid core max. rated connection	1.5 mm²	Wire connection cross section, solid core, min. rated connection	0.5 mm²
Wire connection cross section, stranded, rated connection, max.	1.5 mm²	Wire connection cross section, stranded, rated connection, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²

PE rating data

PEN function	No

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Rating data

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	3.66 mΩ
Rated impulse withstand voltage	4 kV	Pollution severity	3
Surge voltage category	III		

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	eClass 6.2	27-14-11-28
eClass 9.1	27-14-11-28		

Product information

Product information	For the wire end ferrules H1/10 and H1.5/10 a stripping length of 10 mm is to apply.
Descriptive text technical data	Approval in progress
Descriptive text accessories	All MultiMark variants (MM) = strip markers

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PT0204_20160620_035_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

Safety notice	Safety Information

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Drawings



