

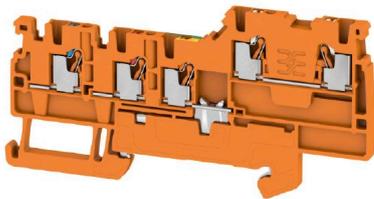
**AIO22 1.5 SI-PE OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

With the current level of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. Benefit from tailored, highly compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

**General ordering data**

Version	Initiator/actuator terminal, PUSH IN, 1.5 mm <sup>2</sup> , 250 V, 13.5 A, orange
Order No.	<a href="#">2579640000</a>
Type	AIO22 1.5 SI-PE OR
GTIN (EAN)	4050118588705
Qty.	100 items

## AIO22 1.5 SI-PE OR

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

Depth	45 mm	Depth (inches)	1.7716 inch
Depth including DIN rail	46 mm	Height	89 mm
Height (inches)	3.5039 inch	Width	3.5 mm
Width (inches)	0.1378 inch	Net weight	11.27 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

## Environmental Product Compliance

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

## Material data

Basic material	Wemid	Colour	orange
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 <sup>2</sup>	Max. voltage (IECEX)	220 V
Current (IECEX)	12 A	Wire cross section max. (IECEX)	1.5 mm <sup>2</sup>

## System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

## Additional technical data

Explosion-tested version Yes

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A1
Wire connection cross section AWG, max.	AWG 14
Connection direction	top
Stripping length	8 mm

Creation date 02.12.2025 03:52:38 MEZ

Catalogue status / Drawings

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### Technical data

Type of connection 2	PUSH IN		
Type of connection	PUSH IN		
Number of connections	5		
Clamping range, max.	1.5 mm <sup>2</sup>		
Clamping range, min.	0.14 mm <sup>2</sup>		
Blade size	0.4 x 2.0 mm		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm <sup>2</sup>		
Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.14 mm <sup>2</sup>		
Connection cross-section, stranded, max.	1.5 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.14 mm <sup>2</sup>		
Wire connection cross-section, solid core, max.	1.5 mm <sup>2</sup>		
Wire connection cross-section, solid core, min.	0.14 mm <sup>2</sup>		
Connection cross-section, finely stranded, min.	0.14 mm <sup>2</sup>		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	8 mm
	Cross-section for conductor connection	min.	0.14 mm <sup>2</sup>
		max.	0.75 mm <sup>2</sup>
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	5 mm
		nominal	0.25 mm <sup>2</sup>
	Cross-section for conductor connection	nominal	6 mm
		min.	0.5 mm <sup>2</sup>
	Tube length	max.	1 mm <sup>2</sup>
		nominal	10 mm
Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	

### General

Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
Mounting rail	TS 35		

### Rating data

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	13.5 A
Current at maximum wires	13.5 A	Volume resistance according to IEC 60947-7-x	1.83 mΩ
Power loss in accordance with IEC 60947-7-x	0.56 W		

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## Technical data

### UL rating data

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

### Classifications

ETIM 6.0	EC000900	ETIM 7.0	EC000900
ETIM 8.0	EC000900	ETIM 9.0	EC000900
ETIM 10.0	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
ECLASS 15.0	27-25-01-12		

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**Drawings**

