

# I/O modules, series AES

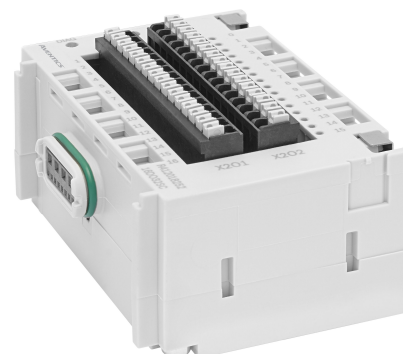
R412018252

AVENTICS  
Series AES  
Field bus  
modules

2023-08-31

## AVENTICS Series AES Field bus modules

The AVENTICS Series AES fieldbus connection can be integrated into all AVENTICS fieldbus-compatible valve systems or can also be configured as a stand-alone solution. AES connects your AVENTICS valve system to all relevant fieldbus protocols and offers the integration of I/O-modules and enables optimized decentralized wiring of sensors. The integration of the Digital Twin enables users to be IIoT ready and use the AES to solve their interoperability challenges.



## Technical data

Industry	Industrial
Version	I/O modules
Type	16DO32SC
E/A capable	connection with I/O
I/O module version	digital outputs
Number of I/O connections	16 outputs
Power plug IN type	Internal
Signal connection E/A type	Spring clamp connections
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-25% / +25%
Max. current per channel	0.5 A
Protection class	IP20
Logic/actuator voltage	Galvanically isolated
Diagnosis	Short circuit
Generic emission standard in accordance with norm	EN 61000-6-4
Generic immunity standard in accordance with norm	EN 61000-6-2
Weight	0.115 kg

## Material

Housing material	Polyamide fiber-glass reinforced
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Part No.

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## Technical information

You will find assignment schemes for the product in the operating instructions, or contact the nearest AVENTICS sales office.

The total current of all outputs (including valves) must not exceed 4 A in the overall system.

Voltage and short-circuit monitoring per LED.

The clamp area for stranded wires is between 0.2 and 1.5 mm<sup>2</sup>.

Delivery contents: incl. 2 spring clamp elements and seal

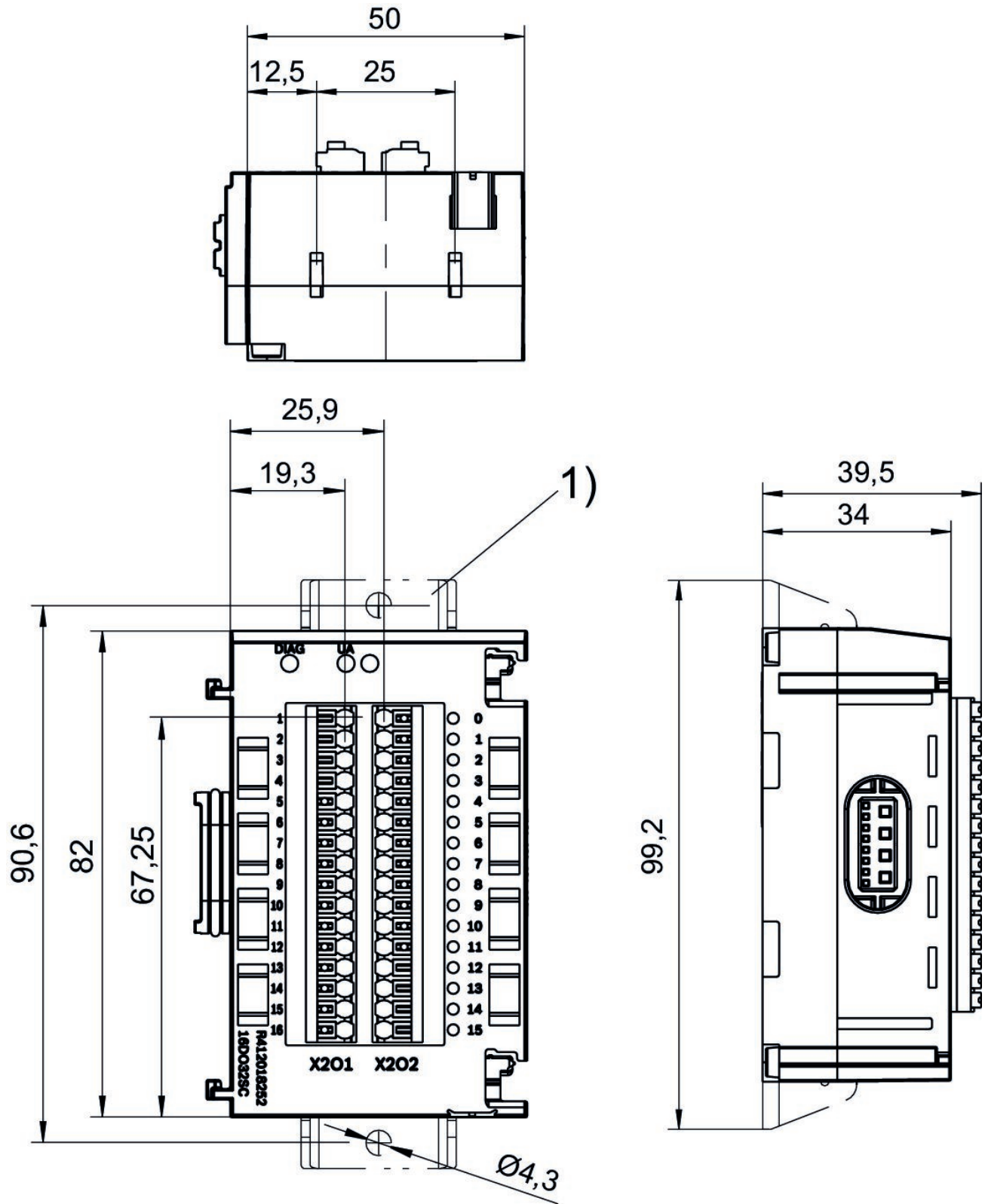
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## Dimensions

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1) Retaining bracket (optional)

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## Pin assignments

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Port	Contact	Function	Port	Contact	Function
X201	1	Output signal 24 V DC bit 0.0	X202	1	0 V DC
	2	Output signal 24 V DC bit 0.1		2	0 V DC
	3	Output signal 24 V DC bit 0.2		3	0 V DC
	4	Output signal 24 V DC bit 0.3		4	0 V DC
	5	Output signal 24 V DC bit 0.4		5	0 V DC
	6	Output signal 24 V DC bit 0.5		6	0 V DC
	7	Output signal 24 V DC bit 0.6		7	0 V DC
	8	Output signal 24 V DC bit 0.7		8	0 V DC
	9	Output signal 24 V DC bit 1.0		9	0 V DC
	10	Output signal 24 V DC bit 1.1		10	0 V DC
	11	Output signal 24 V DC bit 1.2		11	0 V DC
	12	Output signal 24 V DC bit 1.3		12	0 V DC
	13	Output signal 24 V DC bit 1.4		13	0 V DC
	14	Output signal 24 V DC bit 1.5		14	0 V DC
	15	Output signal 24 V DC bit 1.6		15	0 V DC
	16	Output signal 24 V DC bit 1.7		16	0 V DC