I/O modules, series AES

R412018242

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	16DI48SC
E/A capable	connection with I/O
I/O module version	digital inputs
Number of I/O connections	16 inputs
Power plug IN type	Internal
Signal connection E/A type	Spring clamp connections
Filter time	3 ms
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Operational voltage electronics	24 V DC
Electronics voltage tolerance	-25% / +25%
Protection class	IP20
Total current of sensors max.	1 A
Logic/actuator voltage	Galvanically isolated
Diagnosis	Short circuit
Generic emission standard in accordance with norm	EN 61000-6-4

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Generic immunity standard in accordance with norm	EN 61000-6-2
Weight	0.115 kg

Material

Housing material	Polyamide fiber-glass reinforced
Part No.	R412018242

Technical information

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

Voltage and short-circuit monitoring per LED.

The clamp area for stranded wires is between 0.2 and 1.5 mm2.
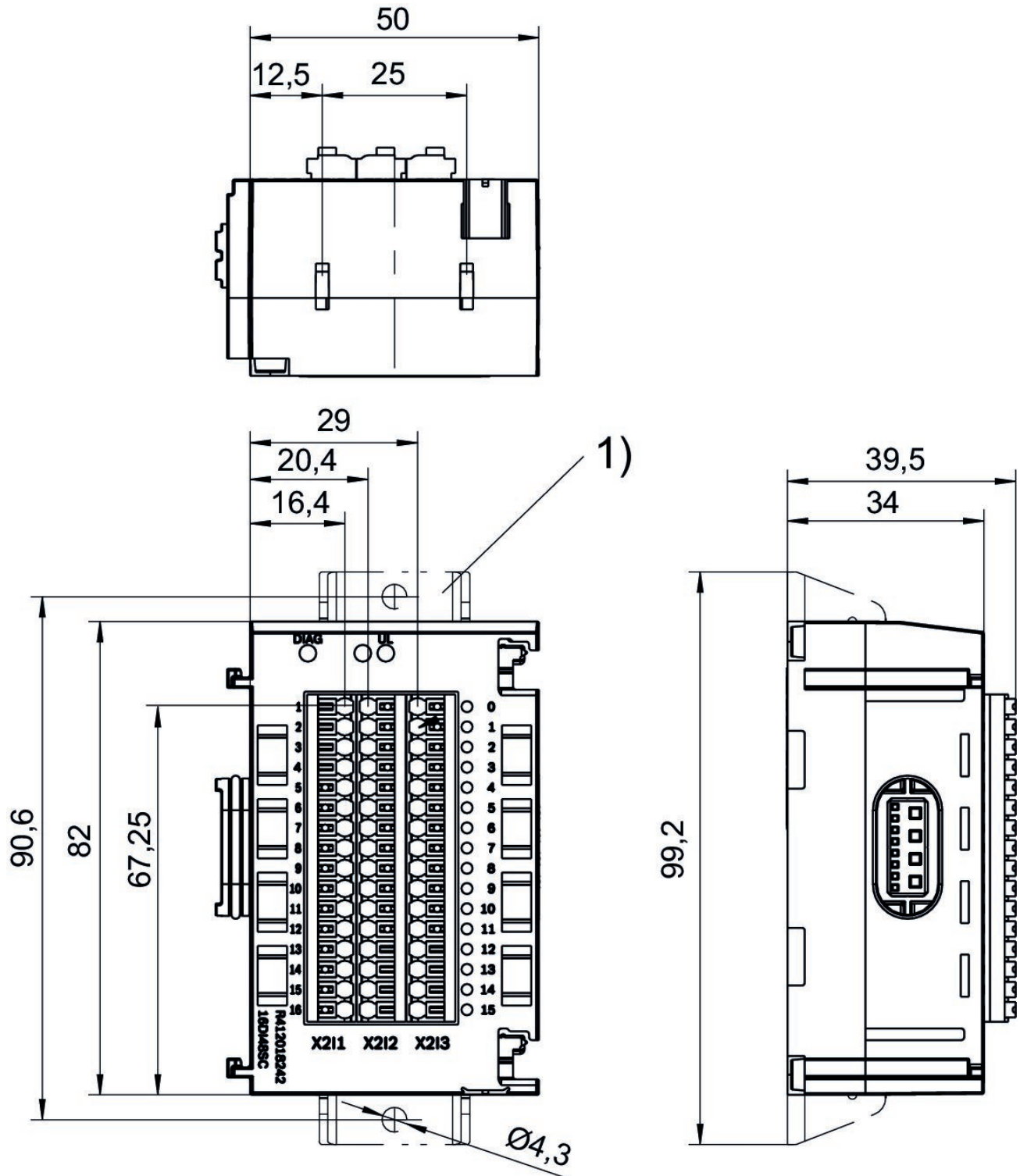
Delivery contents: incl. 2 spring clamp elements and seal

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Dimensions

1) Retaining bracket (optional)

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Port	Contact	Function Input signal
X2I1	1	24 V DC bit 0.0
	2	24 V DC bit 0.1
	3	24 V DC bit 0.2
	4	24 V DC bit 0.3
	5	24 V DC bit 0.4
	6	24 V DC bit 0.5
	7	24 V DC bit 0.6
	8	24 V DC bit 0.7
	9	24 V DC bit 1.0
	10	24 V DC bit 1.1
	11	24 V DC bit 1.2
	12	24 V DC bit 1.3
	13	24 V DC bit 1.4
	14	24 V DC bit 1.5
	15	24 V DC bit 1.6
	16	24 V DC bit 1.7
X2I2	1-16	24 V DC
X2I3	1-16	0 V DC