I/O modules, series AES
R412018292

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	4VP4D4
port pneumatic	D4
Note	Pressure measurement module with 4 compressed air connection
E/A capable	connection with I/O
I/O module version	analog inputs
Number of I/O connections	4 inputs
Power plug IN type	Internal
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Working pressure max	1 bar
Measurement min.	-1 bar
Measurement max.	1 bar
Electronics voltage tolerance	-25% / +25%
Protection class	IP65
Diagnosis	Defective sensor
Generic emission standard in accordance with norm	EN 61000-6-4

EMERSON. 1

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AVENTICS
Series AES
Field bus
modules

2023-08-31

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

Material

Housing material	Polyamide fiber-glass reinforced
Part No.	R412018292

Technical information

When using polyurethane tubing, we recommend using additional stiffener sleeves.

For push-in fittings, only use plug accessories made of plastic (polyamide) from our catalog.
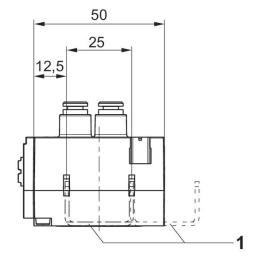
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.
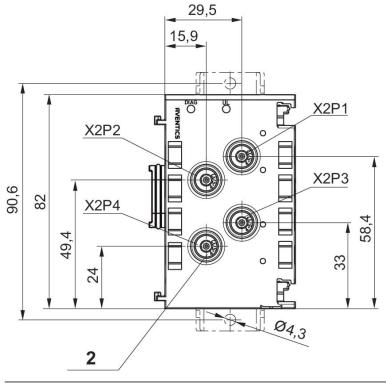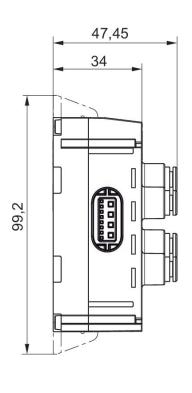
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Dimensions

1) Retaining bracket (optional)
2) Blanking plug included in scope of delivery