

Series AES

R412018233

General series information Series AES

- 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

I/O module version
Digital inputs

Electrical connection size
Internal

Type
8DI8M8

Note
digital inputs/outputs
Socket (female), M8x1

Min. ambient temperature
-10 °C

Max. ambient temperature
60 °C

Technical information

Operational voltage electronics
24 V DC

Electronics voltage tolerance
-25% / +25%

Max. current per channel
0.5 A

Total current for actuators
4 A

Protection class
IP65

Total current of sensors max.
1 A

Filter time
3 ms

Logic/actuator voltage
Galvanically isolated

Diagnosis
Short circuit
Undervoltage

Number of inputs
8

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

Generic emission standard in accordance with
norm
EN 61000-6-4

Technical information

Communication port
Socket (female)

Weight
0.11 kg

Communication port
3-pin

Material

Housing material
Polyamide fiber-glass reinforced

Part No.
R412018233

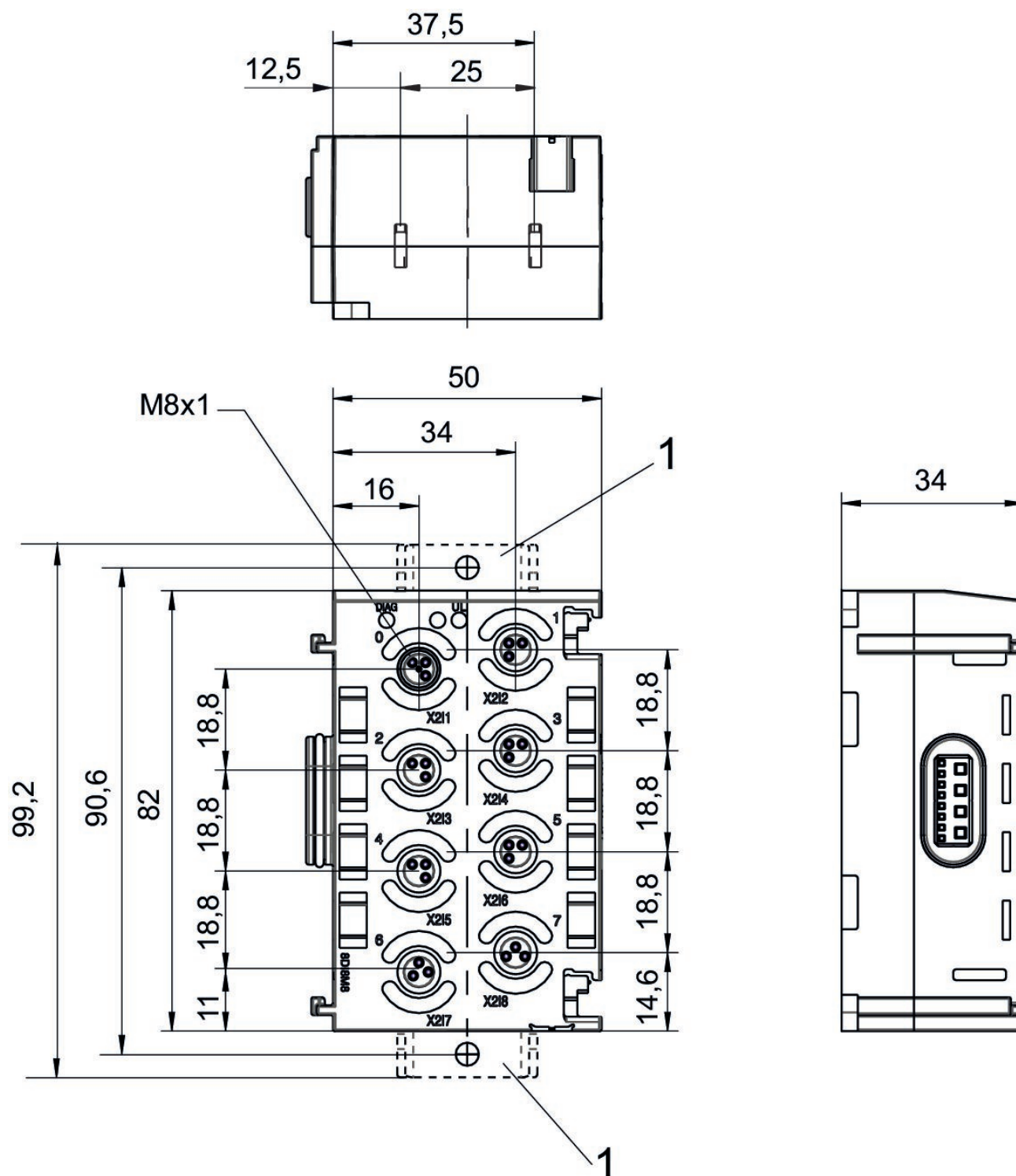
Technical information

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.

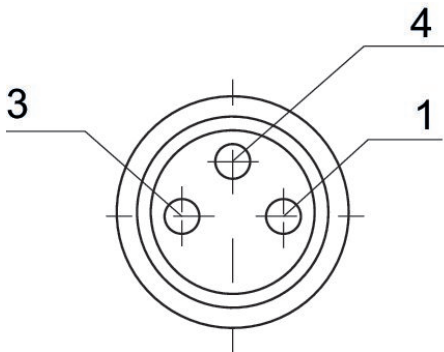
Voltage and short-circuit monitoring per LED.

Dimensions



1) Retaining bracket (optional)
Pin assignment M8x1 (3-pin)

Pin assignments



Pin	Input module	Output module
1	24 V DC	-
3	0 V DC	0 V DC
4	Input signal	Output signal
tablefooter		