

Pneumatic position monitoring, Series MS01

- MS01 test module



Grid dimension	27 mm
Standards	ISO 15407-1 26 mm
Certificates	CE declaration of conformity
Compressed air connection	base plate DIN ISO 15407-1
Working pressure min./max.	2,7 ... 3,3 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 0,1 mg/m³
cleaning pressure max.	10 bar
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%
Protection class	IP67
Duty cycle	100 %
Weight	0,282 kg

Technical data

Part No.	Electrical connection	detection distance (nozzle Ø 1 mm/2 mm), min./max.
R412011545	Plug, M12, 5-pin	0,01, 0,3 mm

The detection distance is based on one measuring point per test module and depends on the operating conditions. For more information, see operating instructions.

Technical information

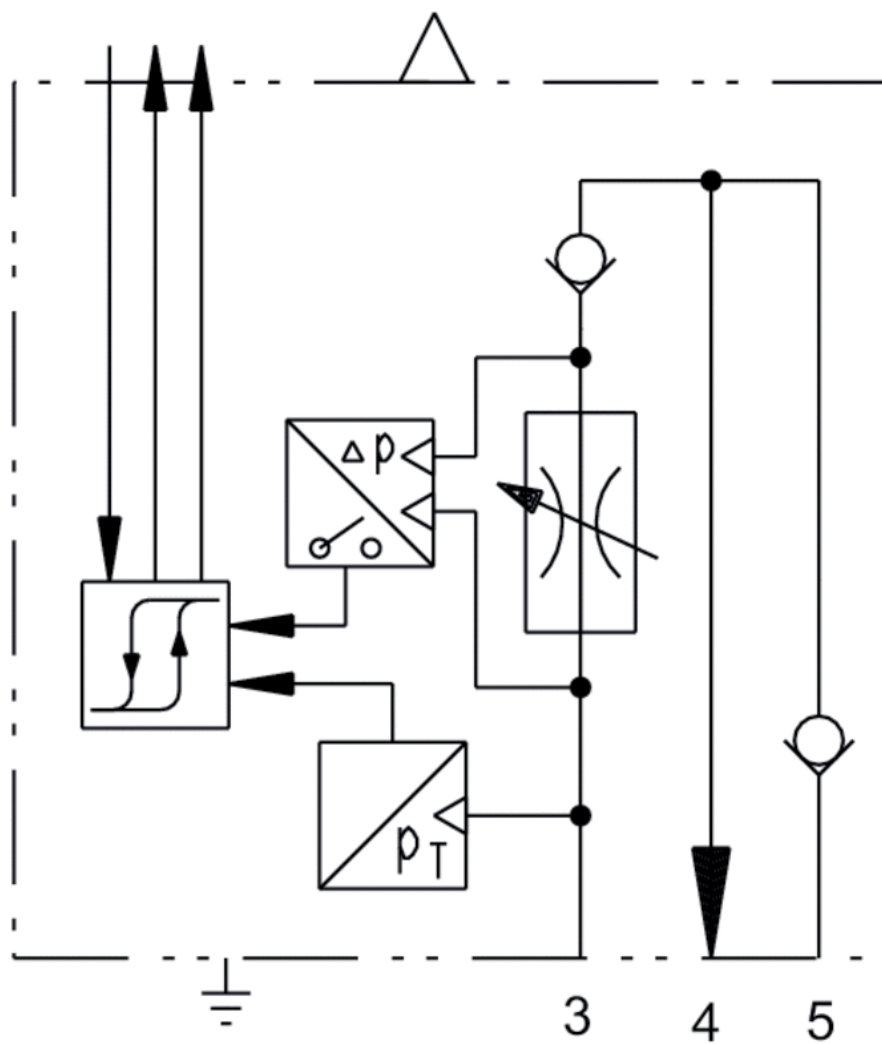
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

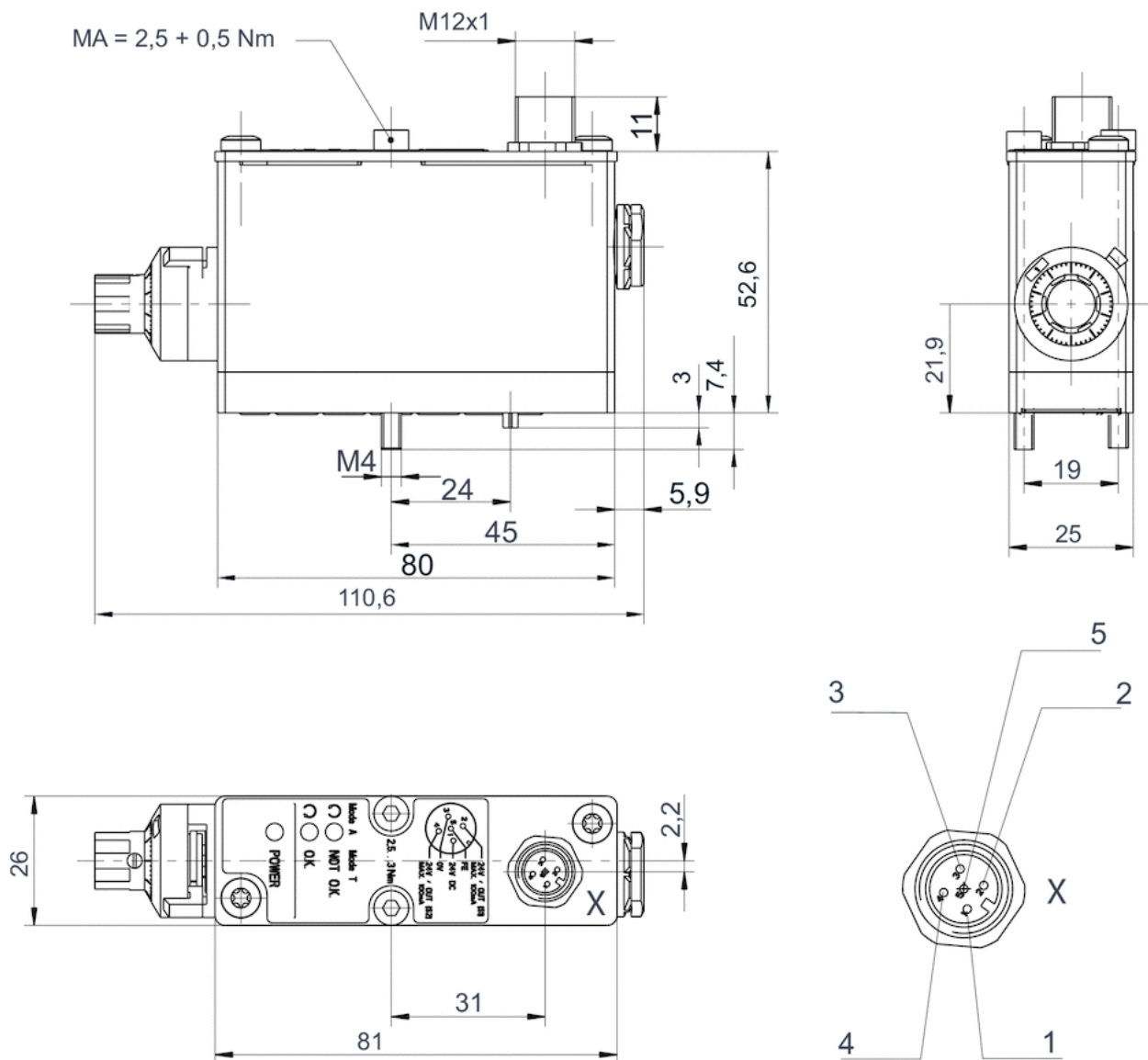
Material	
Housing	Aluminum
Cap	Stainless steel

Dimensions

Circuit symbol



Dimensions



M12 contact assignment:

contact 1: 24 V DC

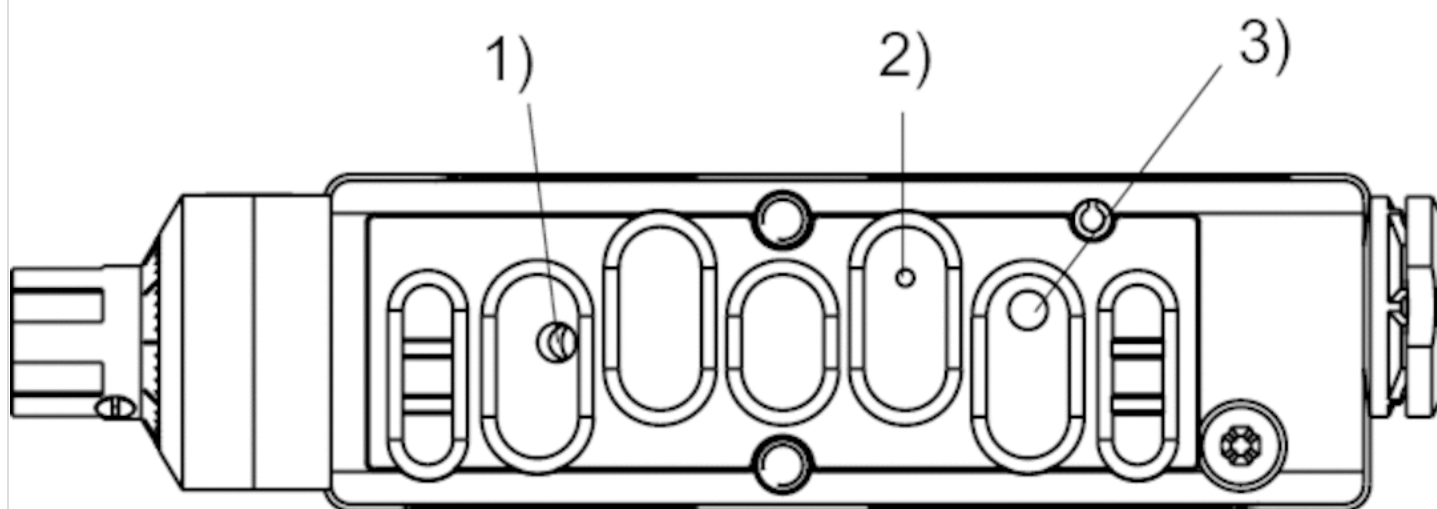
contact 2: output signal 24 V DC, S1 (working pressure), max. 100 mA

contact 3: 0 V

contact 4: output signal 24 V DC, S2 (testing), max. 100 mA

contact 5: FE

Pneumatic interface



For use with a subbase with
ISO 15407-1 hole pattern

1 = test pressure

2 = nozzle connection

3 = cleaning pressure

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: [Emerson.com/Aventics](https://www.emerson.com/Aventics)

Your local contact: [Emerson.com/contactus](https://www.emerson.com/contactus)



Emerson.com



Facebook.com/EmersonAutomationSolutions



LinkedIn.com/company/Emerson-Automation-Solutions



Twitter.com/EMR_Automation

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgement and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2020 Emerson Electric Co. All rights reserved.
2020-12



CONSIDER IT SOLVED™