

3/2-directional valve, Series DO22, G1/8

0820019301

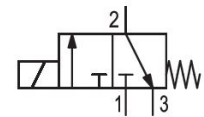
Series DO

2024-10-01

- Various connection options possible
- Assembly takes place on manifold strips
- Extensive voltage range
- ATEX version available

AVENTICS Series DO Directional valves

The AVENTICS Series DO offer a simple, reliable and robust solution for all classical pilot control functions with direct electrical operation.



Technical data

Industry

Activation

Note

Frame size

Valve type

Switching principle

Valve function

Sealing principle

Connection type

Manual override

Industrial

Electrically

Archive product: Do not use in new constructions!

DO22

Poppet valve

3/2, with spring return

NC

Soft seal

Pipe connection

without

Compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

G 1/8

G 1/8

G 1/8

M5

Nominal flow Q_n

Nominal flow Q_n 1 to 2

72 l/min

72 l/min

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Nominal flow Qn 2 to 3	88 l/min
Min. working pressure	0 bar
Max. working pressure	7 bar
Electrical connection type	Plug
Electrical connection size	ISO 6952, form B
Protection class with connection	IP65
Operational voltage	24 V DC
Operational voltage DC	24 V
Voltage tolerance DC	-10 % / +10 %
Coil width	22 mm
Compatibility index	14
Power consumption DC	4.8 W
Duty cycle	100 %
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Min. medium temperature	-10 °C
Max. medium temperature	50 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Max. particle size	5 µm
Mounting screws	M4
Weight	0.11 kg
Material	
Housing material	Polyamide
Seal material	Fluorocautchouc
Part No.	0820019301

Technical information

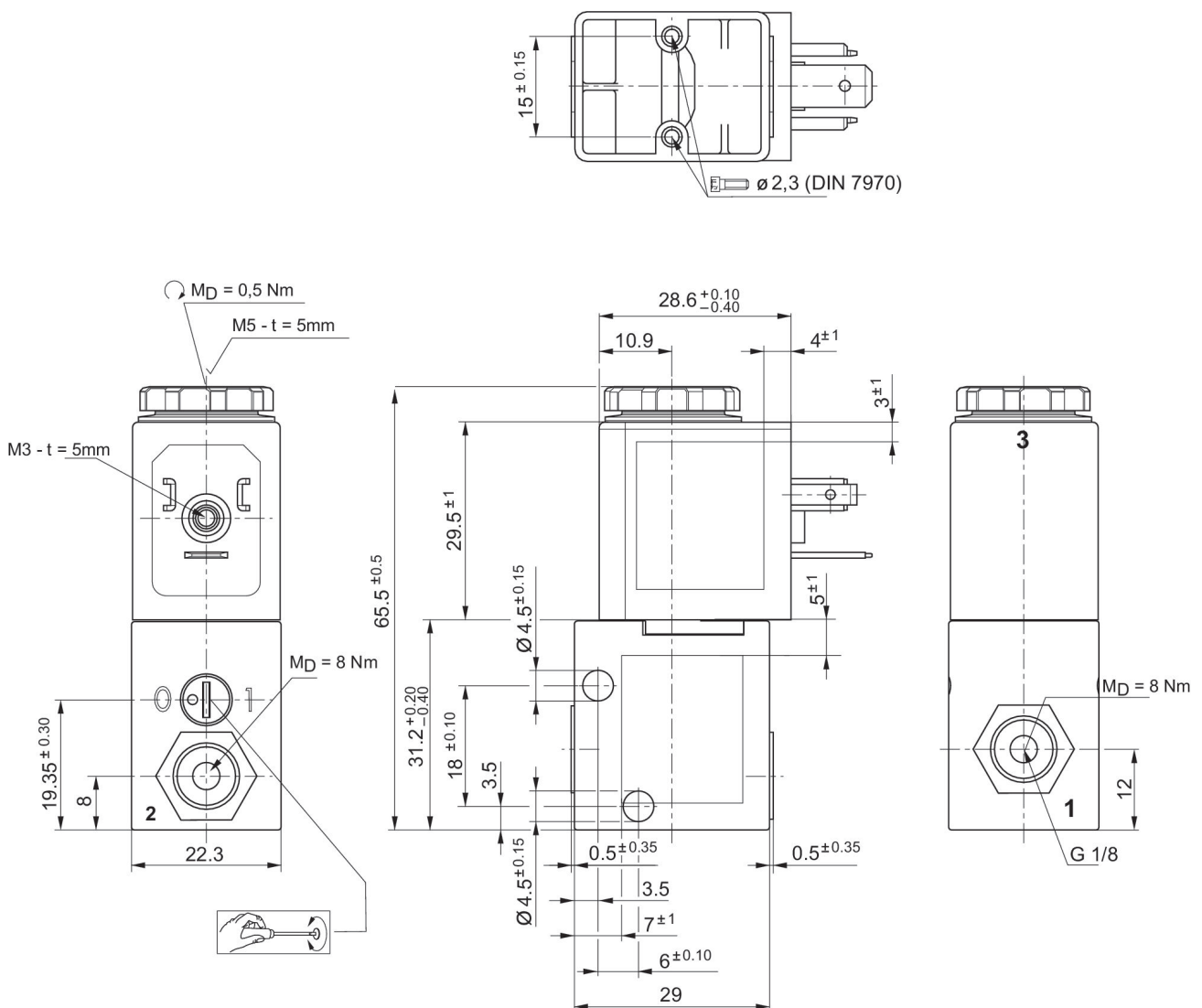
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than 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 <https://www.emerson.com/en-us/support>).

Dimensions



t = depth
MD = maximum torque