

3/2-directional valve, Series DO30

0820019502

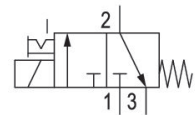
Series DO

2024-10-14

- 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!

DO30

Poppet valve

3/2, with spring return

NC

Soft seal

Plate valve with pipe connection
with detent

Compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

CNOMO

CNOMO

CNOMO

M5

Nominal flow Q_n

Nominal flow Q_n 1 to 2

65 l/min

65 l/min

3/2-directional valve, Series DO30

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Nominal flow Qn 2 to 3	80 l/min
Min. working pressure	0 bar
Max. working pressure	10 bar
Electrical connection type	Plug
Electrical connection size	EN 175301-803, form A
Protection class with connection	IP65
Operational voltage	24 V AC
Operational voltage AC at 50 Hz	24 V
Voltage tolerance AC 50 Hz	-10 % / +10 %
Pilot valve width	30 mm
Compatibility index	15
Power consumption	Higher voltage tolerance
Holding power AC 50 Hz	8 VA
Switch-on power AC 50 Hz	11.5 VA
Duty cycle	100 %
Standards	CNOMO / NFE 49-003-1
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 on manifold strip	P-strip
Mounting screws	M4
Weight	0.16 kg
Material	
Housing material	Plastic
Seal material	Fluorocautchouc
Part No.	0820019502

Technical information

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

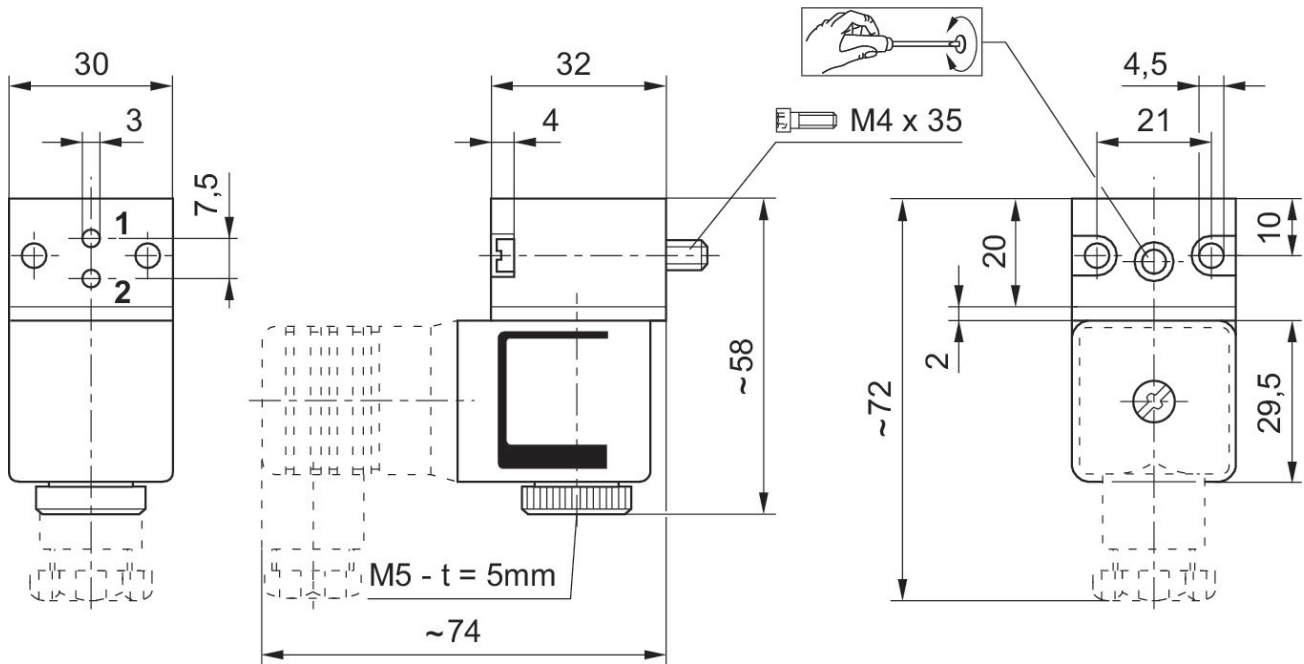
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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