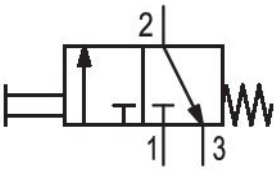
3/2-directional valve, Series DO30

0820019985

General series information
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	Industrial
Activation	Electrically
Switching principle	3/2, with spring return
Function	NC
Compressed air connection output	CNOMO
Compressed air connection input	CNOMO
Compressed air connection, exhaust	M5
Working pressure min.	0 bar
Working pressure max	10 bar
Manual override	without detent
Electrical connection type	Plug
Electrical connection size	EN 175301-803, form A

Valve type	Poppet valve
basic valve with electrical connector	Basic valve without coil
Sealing principle	Soft Seal
Pilot valve width	30 mm
Compatibility index	15
Connection type	Plate valve with pipe connection
Standards	CNOMO / NFE 49-003-1
ATEX	Suitable for ATEX

Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Min. medium temperature	-10 °C
Max. medium temperature	50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air min.	0 mg/m³
Oil content of compressed air max.	5 mg/m³
Nominal flow Qn 1 to 2	68 l/min
Nominal flow Qn 2 to 3	90 l/min

Power consumption	Higher voltage tolerance
Duty cycle	100 %
Protection class with connection	IP65

Mounting on manifold strip	P-strip
mounting screws	M4
Weight	0.06 kg

Material

Housing material	Plastic
Seal material	Fluorocaoutchouc
Part No.	0820019985

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.

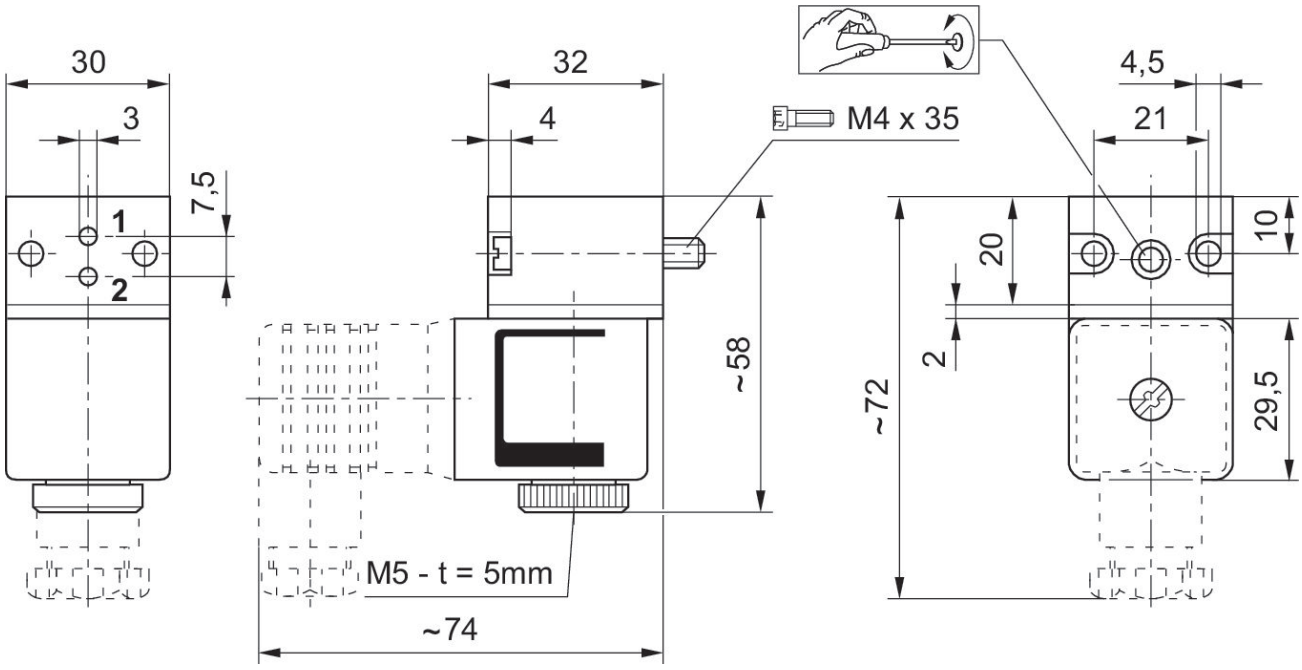
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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

Dimensions



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