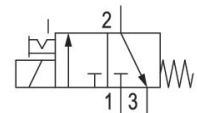


- Various connection options possible
- Assembly takes place on manifold strips
- Extensive voltage range
- ATEX version available

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	Industrial
Activation	Electrically
Note	Archive product: Do not use in new constructions!
Frame size	DO22
Valve type	Poppet valve
Switching principle	3/2, with spring return
Valve function	NC
Sealing principle	Soft seal
Connection type	Plate valve with pipe connection
Manual override	with detent
Compressed air connection	Base plate
Compressed air connection input	Base plate
Compressed air connection output	M5
Nominal flow Qn	61 l/min
Nominal flow Qn 1 to 2	61 l/min
Nominal flow Qn 2 to 3	74 l/min

3/2-directional valve, Series DO22, 22 mm

Series DO

0820019642

2024-10-14

Min. working pressure	0 bar
Max. working pressure	10 bar
Electrical connection type	Plug
Electrical connection size	ISO 6952, form B
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 %
Coil width	22 mm
Compatibility index	14
Holding power AC 50 Hz	8.5 VA
Holding power AC 60 Hz	7.3 VA
Switch-on power AC 50 Hz	12 VA
Switch-on power AC 60 Hz	9.9 VA
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	M3
Weight	0.096 kg
Material	
Housing material	Plastic
Seal material	Fluorocautchouc
Part No.	0820019642

Technical information

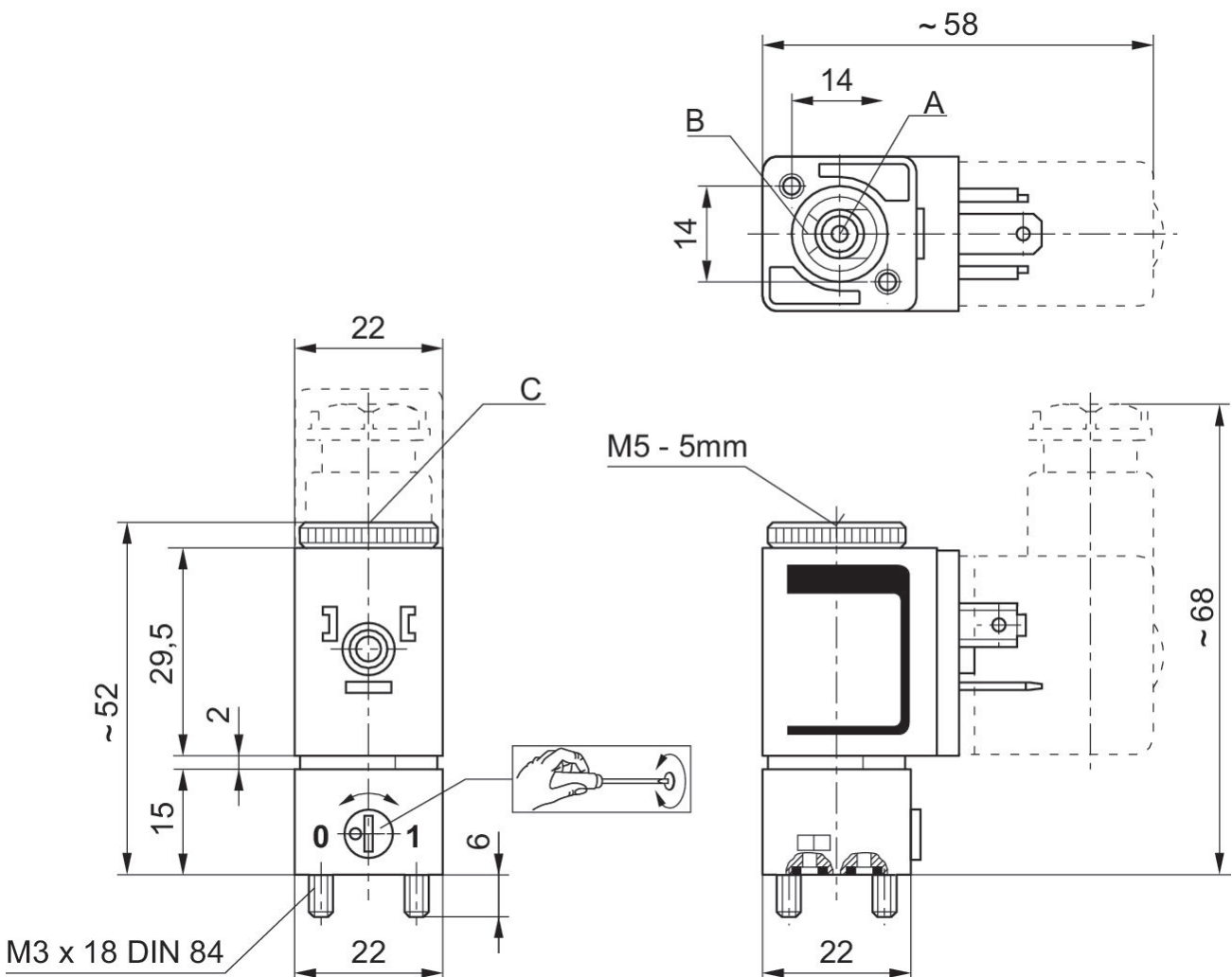
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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



A = Port 1
 B = Port 2
 C = Port 3