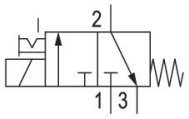
3/2-directional valve, Series DO22

2023-12-21

0820046005

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
Frame size	DO22
Valve type	Poppet valve
Switching principle	3/2, with spring return
Valve function	NC
Sealing principle	Soft seal
Connection type	Plate connection
Manual override	with detent
Compressed air connection	Base plate
Compressed air connection input	Base plate
Compressed air connection output	Base plate
Nominal flow Qn	48 l/min
Nominal flow Qn 1 to 2	48 l/min
Nominal flow Qn 2 to 3	56 l/min
Min. working pressure	2 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	13
Power consumption	Low power consumption
Power consumption DC	2.6 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/m³
Max. oil content of compressed air	5 mg/m³
Max. particle size	5 µm
Mounting on manifold strip	PRS strip
Mounting screws	M3

Material

Housing material	Plastic
Seal material	Fluorocaoutchouc
Part No.	0820046005

Technical information

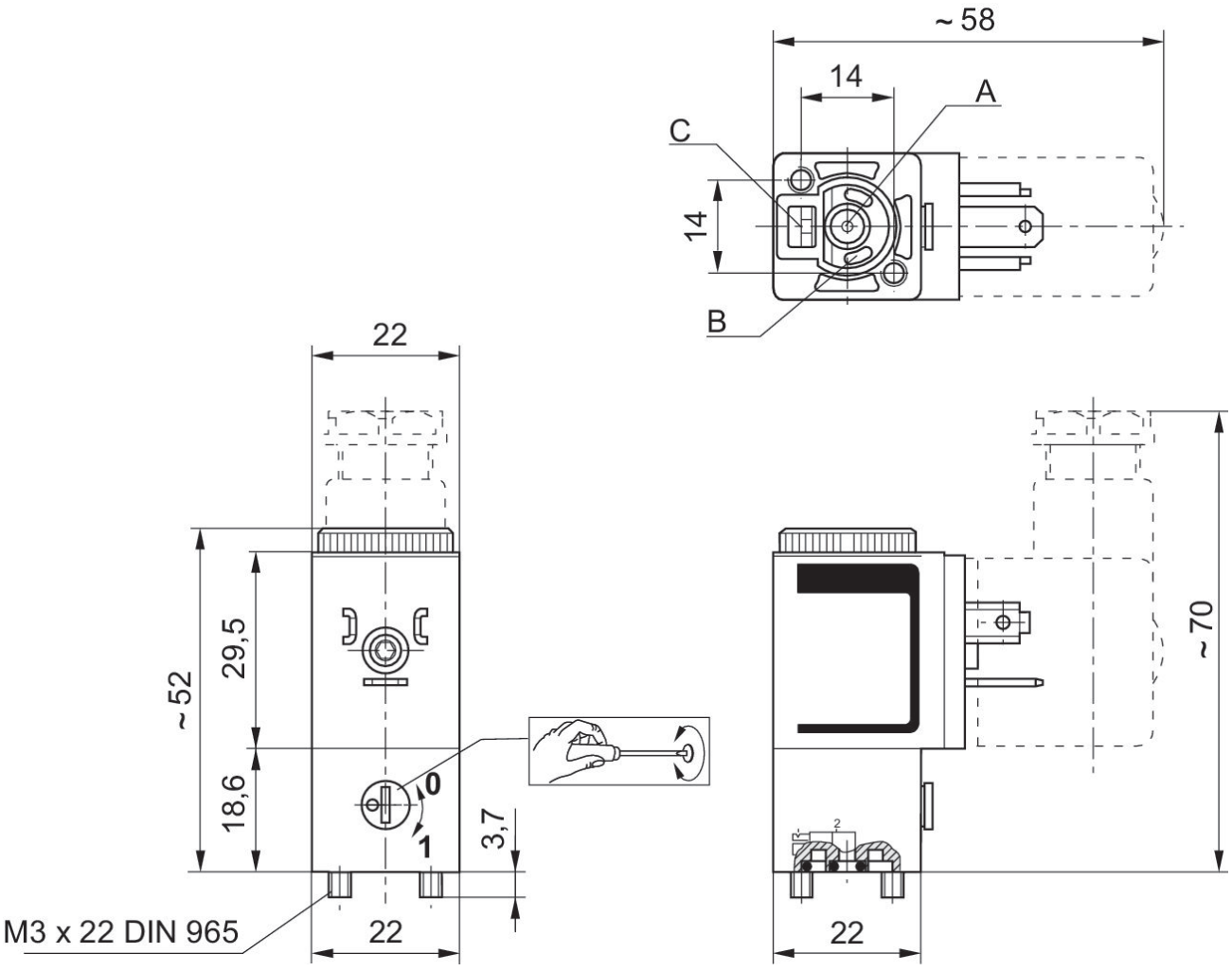
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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