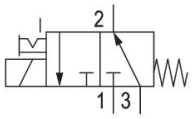
# 3/2-directional valve, Series DO22

**0820046101**



## 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 | Note: NO via port 3 |
| Frame size | DO22 |
| Valve type | Poppet valve |
| Switching principle | 3/2, with spring return |
| Valve function | NO |
| 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 | 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 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/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. | 0820046101 |

## Technical information

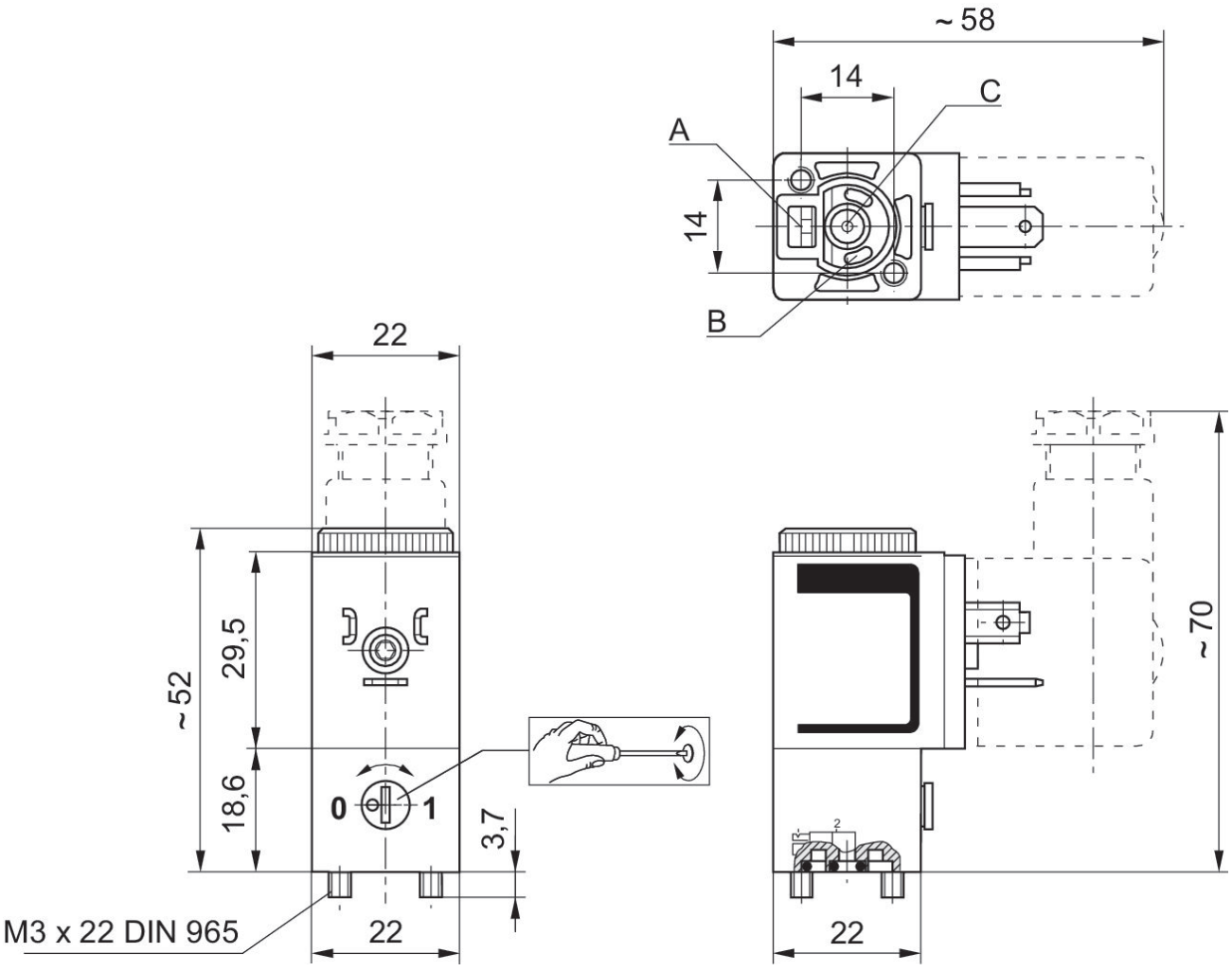
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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