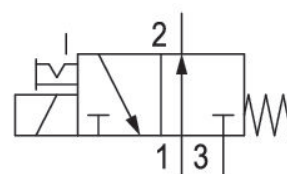


# 3/2-directional valve, Series DO35

0820005251

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                           | NO                      |
| Compressed air connection output   | G 1/8                   |
| Compressed air connection input    | G 1/8                   |
| Compressed air connection, exhaust | G 1/8                   |
| Working pressure min.              | 0 bar                   |
| Working pressure max               | 10 bar                  |
| Operational voltage                | 24 V DC                 |
| DC operating voltage               | 24 V                    |
| Voltage tolerance DC               | -10% / +10%             |
| Manual override                    | with detent             |
| Electrical connection type         | Plug                    |

|                                    |                              |
|------------------------------------|------------------------------|
| Electrical connection size         | EN 175301-803, form A        |
| Valve type                         | Poppet valve                 |
| Sealing principle                  | Soft Seal                    |
| Connection type                    | Pipe connection              |
| Blocking principle                 | Single base plate principle  |
| Can be assembled into blocks       | Can be assembled into blocks |
| 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/m <sup>3</sup>          |
| Oil content of compressed air max. | 5 mg/m <sup>3</sup>          |
| Nominal flow Qn 1 to 2             | 110 l/min                    |
| Nominal flow Qn 2 to 3             | 130 l/min                    |
| Power consumption DC               | 8 W                          |
| Duty cycle                         | 100 %                        |
| Protection class with connection   | IP65                         |
| mounting screws                    | M5                           |

## Material

|               |                  |
|---------------|------------------|
| Seal material | Fluorocaoutchouc |
| Part No.      | 0820005251       |

## Technical information

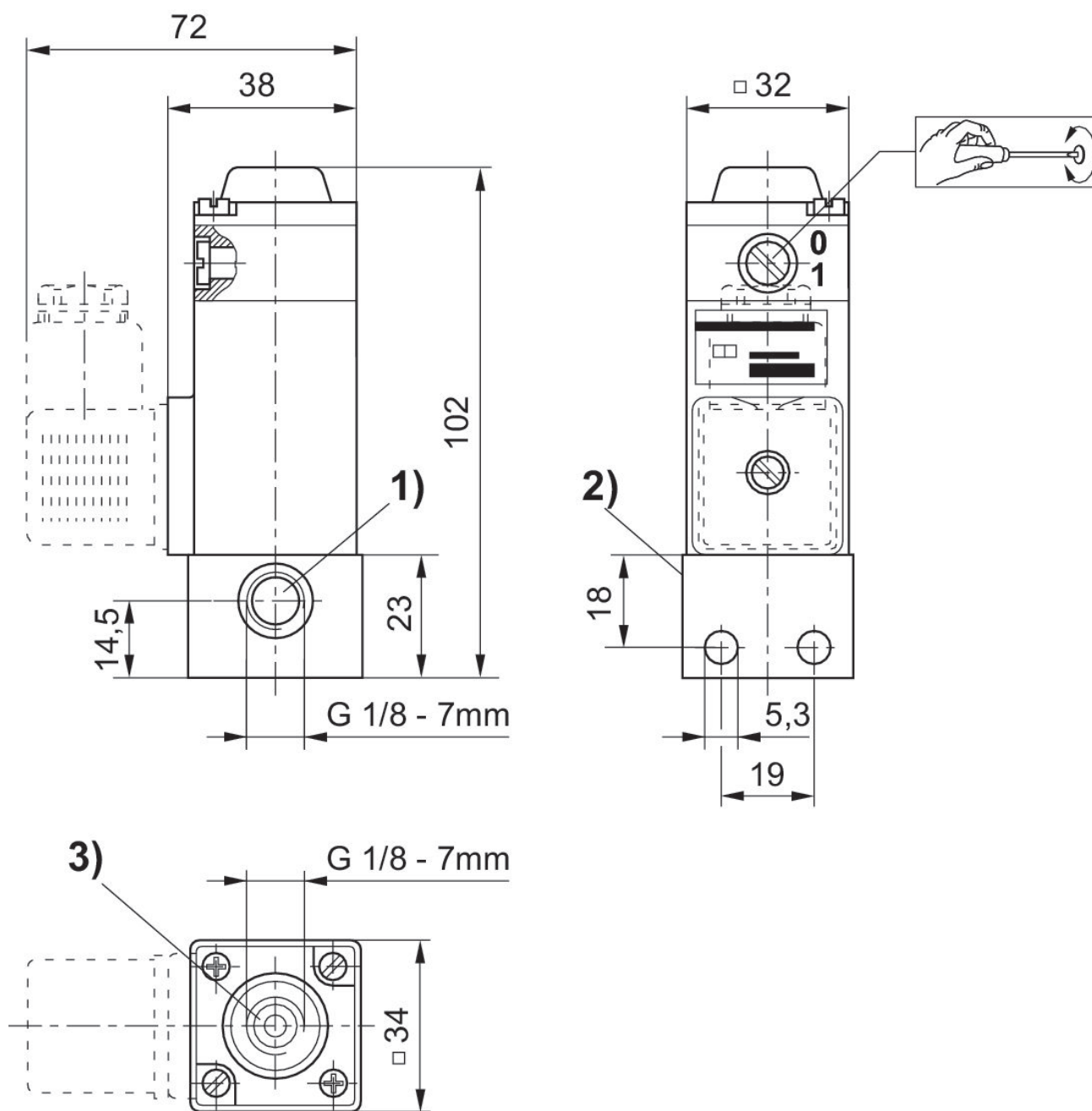
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

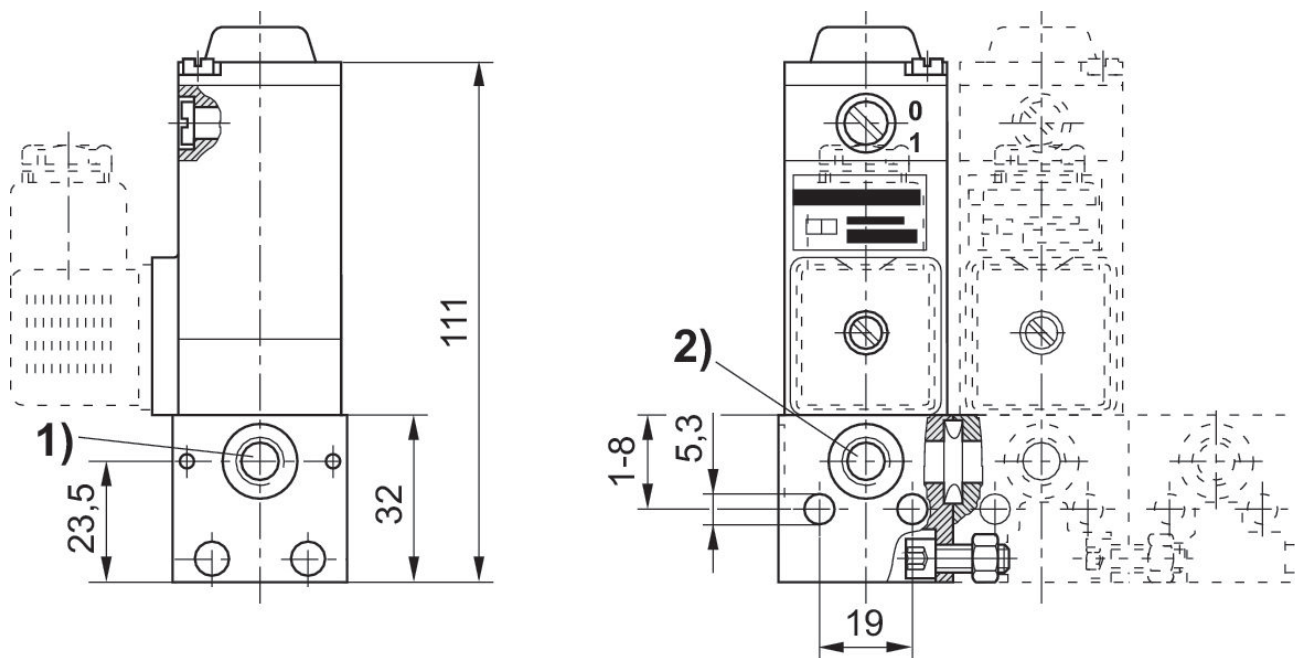
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

## single connecting valve



- 1) Port 1 (Input)
- 2) Port 2 (Output)
- 3) Port 3 (Exhaust)

## manifold valve



- 1) Port 1 (Input)
- 2) Port 2 (Output)