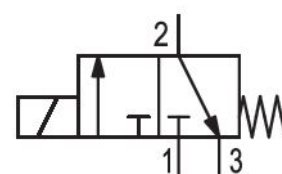


# Pilot valve, Series DO35

1827414016

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, exhaust | G 1/8                   |
| Working pressure min.              | 0 bar                   |
| Working pressure max               | 10 bar                  |
| Operational voltage                | 230 V AC                |
| Operational voltage AC at 50 Hz    | 230 V                   |
| 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 |
| Min. ambient temperature         | -10 °C          |
| Max. ambient temperature         | 50 °C           |
| Min. medium temperature          | -10 °C          |
| Max. medium temperature          | 50 °C           |
| Medium                           | Compressed air  |
| Nominal flow Qn 1 to 2           | 140 l/min       |
| Nominal flow Qn 2 to 3           | 130 l/min       |
| Holding power AC 50 Hz           | 14 VA           |
| Holding power AC 60 Hz           | 14 VA           |
| Switch-on power AC 50 Hz         | 21 VA           |
| Switch-on power AC 60 Hz         | 21 VA           |
| Duty cycle                       | 100 %           |
| mounting screws                  | M4              |
| Mounting screw tightening torque | 1 Nm            |
| Tightening torque tolerance      | +0,3            |

## Material

|               |                 |
|---------------|-----------------|
| Seal material | Fluorocautchouc |
| Part No.      | 1827414016      |

## Technical information

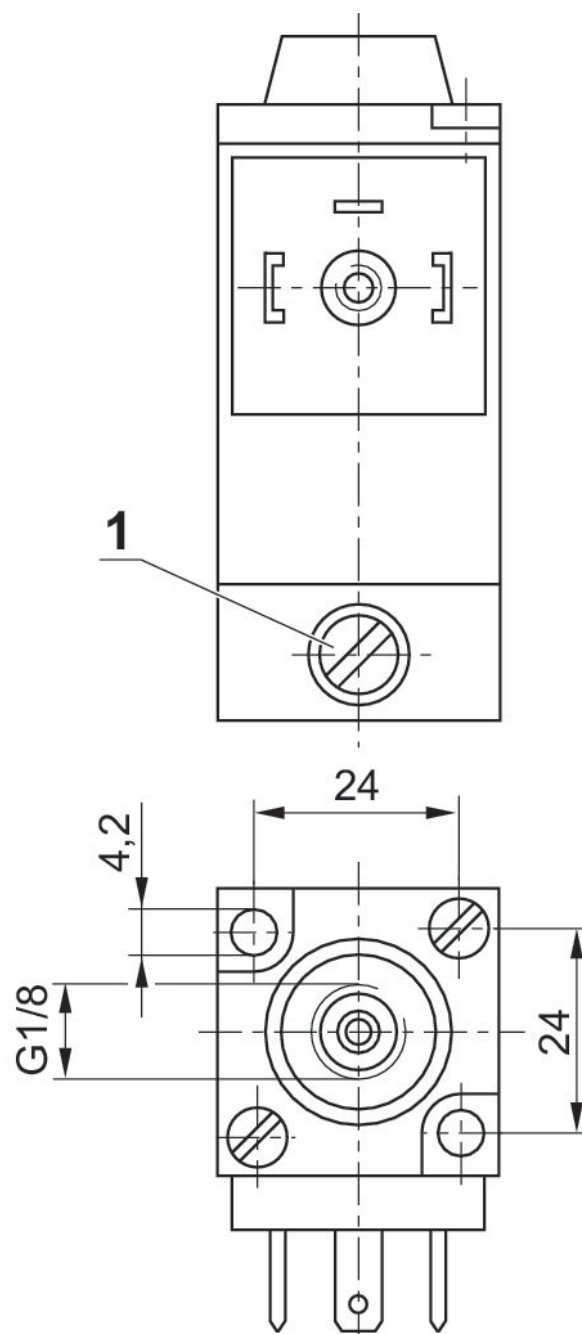
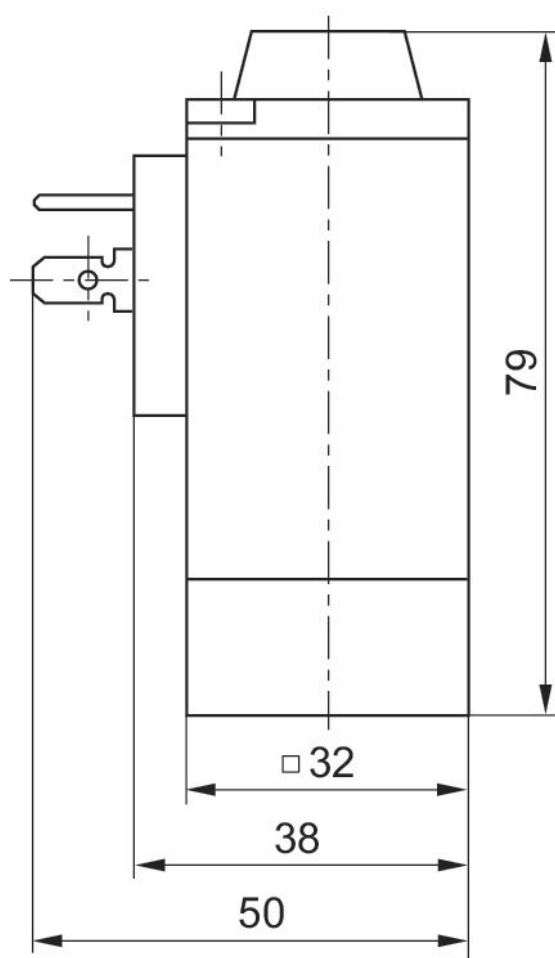
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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>).

## Dimensions



1) Manual override