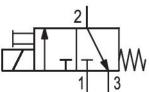
3/2-directional valve, Series DO30

0820019528

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 output CNOMO
Compressed air connection input CNOMO
Compressed air connection, exhaust M5
Working pressure min. 0 bar

Working pressure max 10 bar

Operational voltage 110 V AC

Operational voltage AC at 60 Hz 110 V

Voltage tolerance AC 60 Hz -10% / +10%

Manual override without detent

Electrical connection type Plug



Electrical connection size EN 175301-803, form A

Valve type Poppet valve
Sealing principle Soft Seal
Pilot valve width 30 mm
Compatibility index 15

Connection type Plate valve with pipe connection

Standards CNOMO / NFE 49-003-1

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^3 Oil content of compressed air max. 5 mg/m^3 Nominal flow Qn 1 to 2 68 l/min Nominal flow Qn 2 to 3 90 l/min

Power consumption Higher voltage tolerance

Holding power AC 60 Hz 5.6 VA
Switch-on power AC 60 Hz 9.5 VA
Duty cycle 100 %
Protection class with connection IP65

Mounting on manifold strip P-strip mounting screws M4
Weight 0.16 kg

Material

Housing material Plastic

Seal material Fluorocaoutchouc Part No. 0820019528



Technical information

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

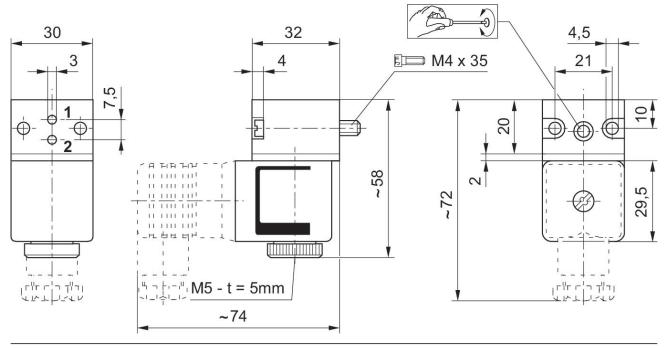
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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



t = depth

