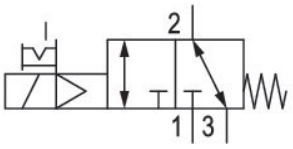
3/2-directional valve, Series CD04

5772500220

General series information
AVENTICS Series CD04 Directional valves

- The AVENTICS Series CD consists of various spool valves with an extremely durable die-cast zinc housing. Its electrical, pneumatic, or mechanical actuating controls (roller, lever, pedal, or plunger) make the Series CD ideal for applications in harsh environments.
- For demanding environments



Technical data

Industry	Industrial
Activation	Electrically
Valve type	Spool valve, positive overlapping
Switching principle	3/2, with spring return
Valve function	NC NO
Actuating control	Single Solenoid
Sealing principle	soft seal
Connection type	Pipe connection
Manual override	with detent
Compressed air connection input	M10x1
Compressed air connection output	M10x1
Compressed air connection, exhaust	M10x1
Pilot control exhaust	with directional pilot air exhaust

Compressed air connection pilot exhaust	M5
Nominal flow Qn	900 l/min
Nominal flow Qn 1 to 2	900 l/min
Nominal flow Qn 2 to 3	900 l/min
Working pressure min.	3 bar
Working pressure max	10 bar
Control pressure min.	3 bar
Control pressure max.	10 bar
Electrical connection type	Plug
Electrical connection size	EN 175301-803, form B
Electrical connection number of poles	3-pin
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Operational voltage	24 V DC
DC operating voltage	24 V
Voltage tolerance DC	-10% / +10%
Pilot	Internal
Coil width	22 mm
Pilot valve width	26 mm
Compatibility index	14
Power consumption DC	4.8 W
Duty cycle	100 %
Typ. switch-on time	13 ms
Typ. switch-off time	27 ms
Min. ambient temperature	-15 °C
Max. ambient temperature	50 °C
Min. medium temperature	-15 °C
Max. medium temperature	50 °C
Medium	Compressed air
Oil content of compressed air min.	0 mg/m³
Oil content of compressed air max.	1 mg/m³
Max. particle size	50 µm
Weight	0.3 kg

Material

Housing material	Die cast zinc Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Part No.	5772500220

Technical information

option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

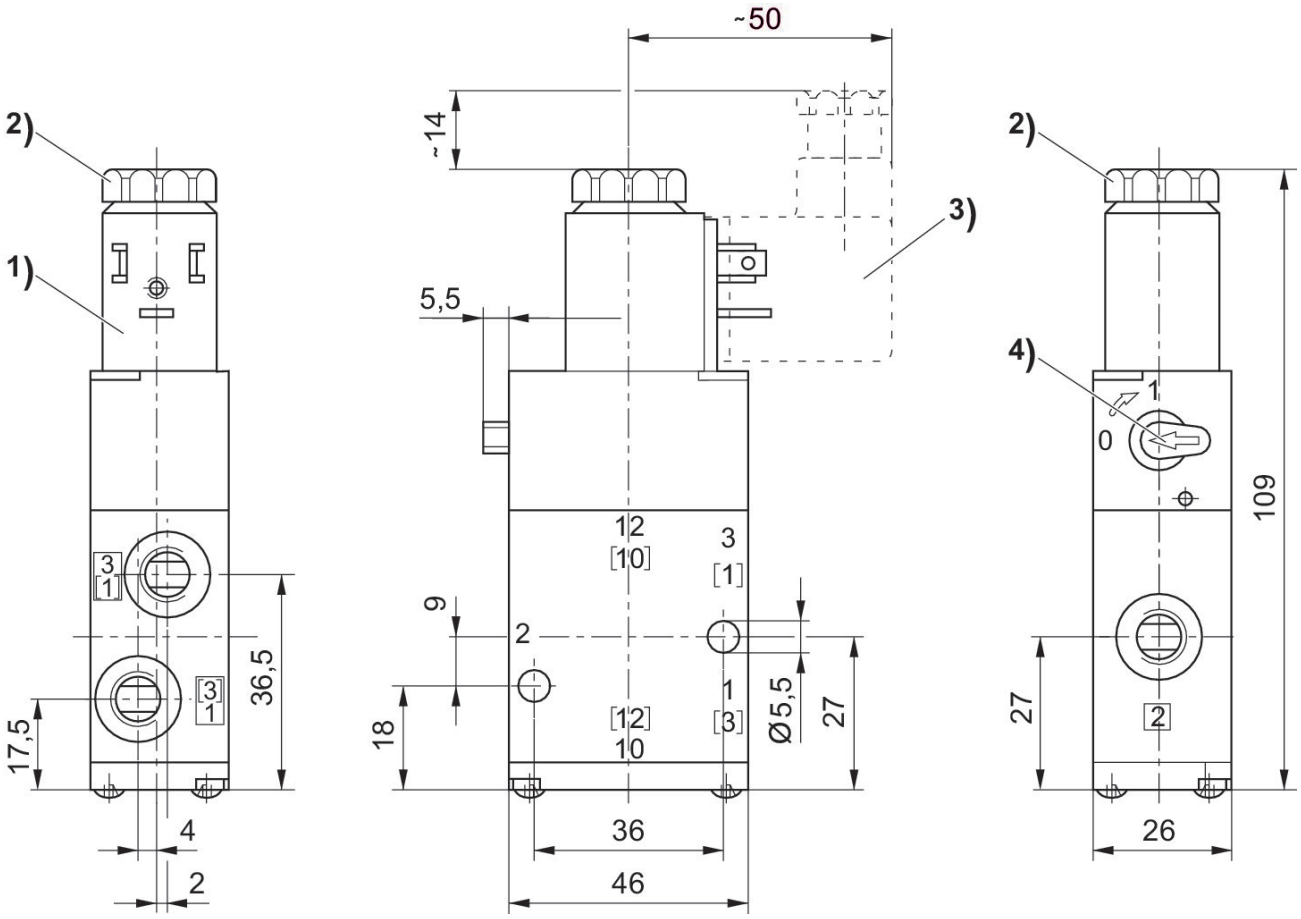
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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



1) Coil can be rotated at 90° intervals
2) After removal of cap M5 internal thread
3) Valve plug connector can be plugged at 180° intervals
4) Manual override