

5/3-directional valve, Series CD04

R412013019

Series
CD04

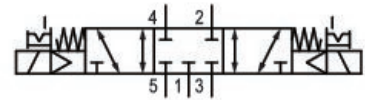
2024-05-27

Series CD04

Qn max. 900 l/min

3/2, 5/2, 5/3 spool valves with metal housing

For demanding environments



Technical data

Industry

Industrial

Activation

Electrically

Valve type

Spool valve, positive overlapping

Switching principle

5/3, closed center

Sealing principle

Soft seal

Connection type

Pipe connection

Manual override

with detent

Standard compressed air connection

according to ANSI B1.20.3

Compressed air connection input

1/8-27 PTF

Compressed air connection output

1/8-27 PTF

Compressed air connection, exhaust

1/8-27 PTF

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

Min. working pressure

3.5 bar

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| | |
|---------------------------------------|---|
| Max. working pressure | 10 bar |
| Min. control pressure | 3.5 bar |
| Max. control pressure | 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 |
| Operational voltage DC | 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 | 12 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 |
| Min. oil content of compressed air | 0 mg/m ³ |
| Max. oil content of compressed air | 1 mg/m ³ |
| Max. particle size | 50 µm |
| Mounting on manifold strip | P-strip |
| Weight | 0.49 kg |
| Material | |
| Housing material | Die cast zinc Polyamide fiber-glass reinforced |
| Seal material | Acrylonitrile butadiene rubber |

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Part No.

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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>).

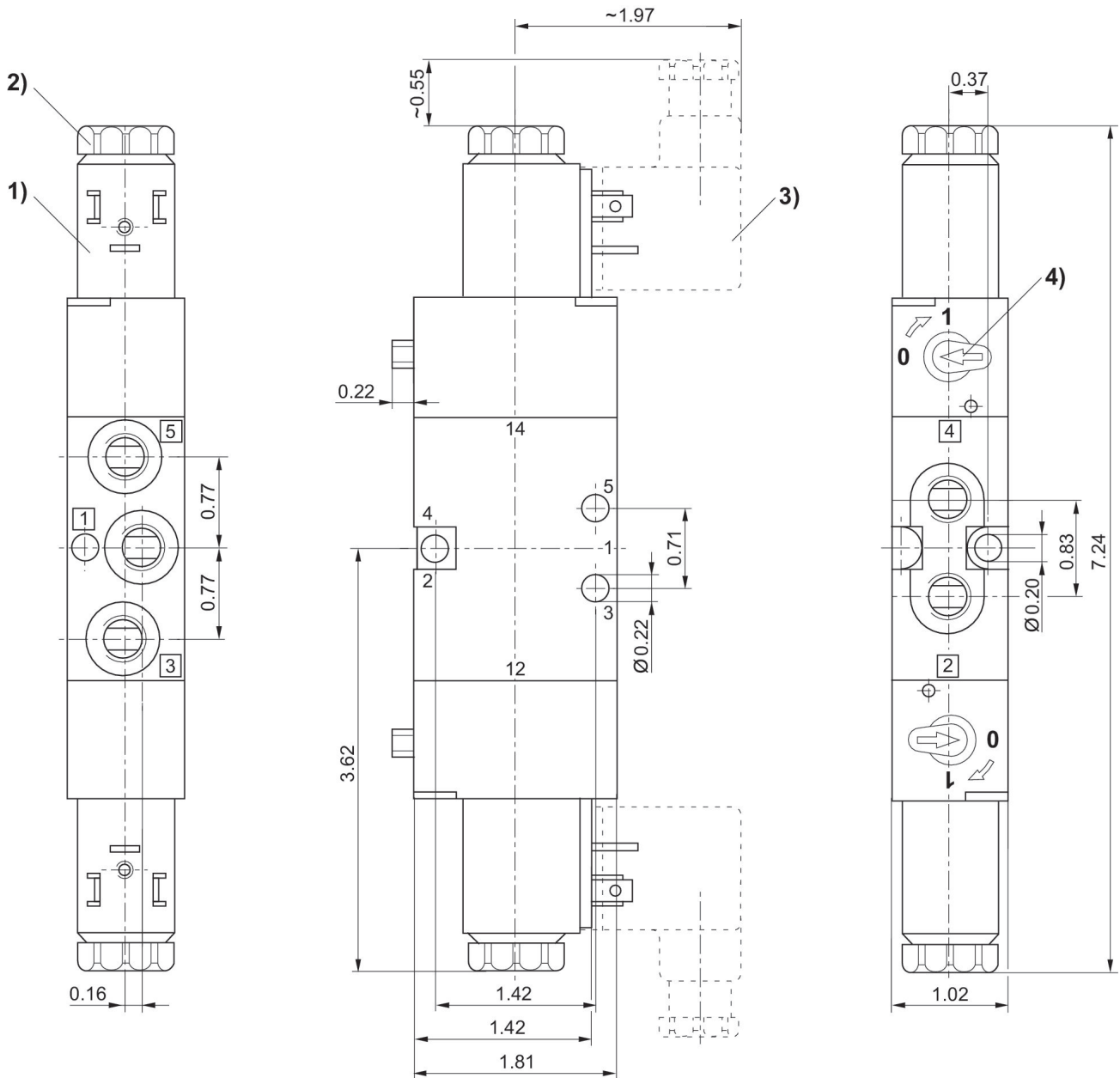
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Dimensions in inches



- 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