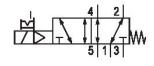
R412012709

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 5/2, with spring return

Actuating control Single Solenoid

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 I/min
Nominal flow Qn 1 to 2 900 I/min
Nominal flow Qn 2 to 3 900 I/min

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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 12 ms
Typ. switch-off time 21 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

Mounting on manifold strip P-strip
Weight 0.38 kg

Material

Housing material Die cast zinc

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Seal material Part No.

Polyamide fiber-glass reinforced Acrylonitrile butadiene rubber R412012709

Technical information

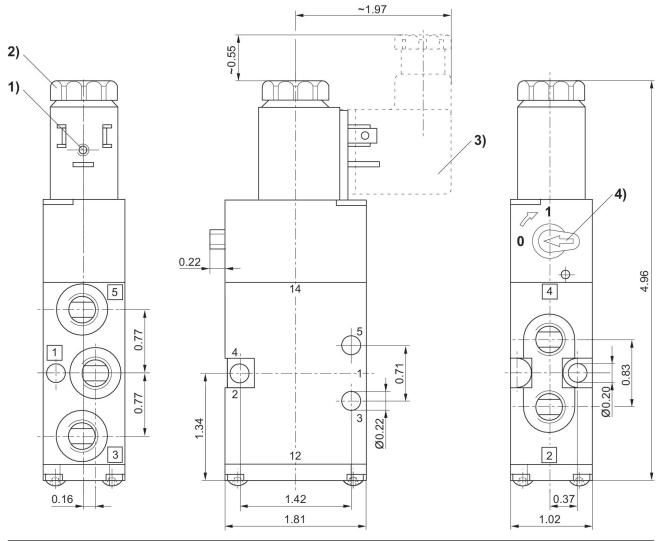
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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).

Dimensions in inches



¹⁾ Coil can be rotated at 90° intervals

5/2-directional valve, Series CD04

2023-09-07

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- After removal of cap M5 internal thread
 Valve plug connector can be plugged at 180° intervals
 Manual override