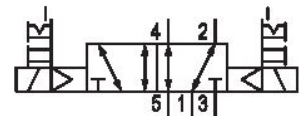


5/2-directional valve, Series CD12

5725500220

General series information Series CD12

- 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.



Technical data

Industry
Industrial

Activation
Electrically

Nominal flow Qn
4100 l/min

Switching principle
5/2

Compressed air connection output
M22x1,5

Working pressure min.
2 bar

Working pressure max
10 bar

DC operating voltage
24 V

Voltage tolerance DC
-10% / +10%

Manual override
with detent
without detent

Electrical connection type
Plug

Electrical connection size
EN 175301-803, form A

Electrical connection number of poles
3-pin

Actuating control
Double Solenoid

Sealing principle
Soft Seal

Pilot
Internal

Pilot valve width
30 mm

Valve type
Spool valve, positive overlapping

Control pressure min.
2 bar

Control pressure max.
16 bar

Min. ambient temperature
-25 °C

Max. ambient temperature
50 °C

Min. medium temperature
-25 °C

Compressed air connection input
M22x1,5

Compressed air connection, exhaust
M22x1,5

Power consumption DC
2.1 W

Compatibility index
13
14

Pilot valve width
30 mm

Connector standard
EN 175301-803:2006

Protection class with connection
IP65

Housing material
Aluminum
Polyamide fiber-glass reinforced

Seal material
Acrylonitrile butadiene rubber

Connection type
Pipe connection

Temperature resistance
-25 °C cold-resistant

Max. medium temperature
50 °C

Medium
Compressed air

Max. particle size
50 µm

Oil content of compressed air min.
0 mg/m³

Oil content of compressed air max.
1 mg/m³

Compressed air connection pilot exhaust
M5

Pilot control exhaust
with directional pilot air exhaust

Duty cycle
100 %

Typ. switch-on time
36 ms

Typ. switch-off time
36 ms

Reverse polarity protection
Protected against polarity reversal

Weight
1.1 kg

Polyurethane

Part No.
5725500220

Technical information

*Note: Basic valves feature a maximum working pressure of 16 bar. When combined with standard CNOMO pilots, the maximum working pressure is 10 bar.

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) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
4) Port X, side 14 5) Port X, side 12 6) Port without function 7) Pilot valve exhaust, M5