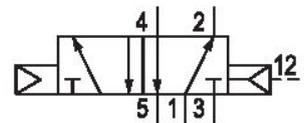


5/2-directional valve, Series CD12

5725405202

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
16 bar

Pilot valve width
30 mm

Valve type
Spool valve, positive overlapping

Electrical connection type
Plug

Electrical connection size
EN 175301-803, form A

Electrical connection number of poles
3-pin

Actuating control
Single Solenoid

Sealing principle
Soft Seal

Pilot
Internal

ATEX
ATEX optional

basic valve with electrical connector
Basic valve without pilot valve

Connection type
Pipe connection

Return
with air spring return

Temperature resistance
-25 °C cold-resistant

Control pressure min.
2 bar

Max. medium temperature
70 °C

Control pressure max.
16 bar

Medium
Compressed air

Min. ambient temperature
-25 °C

Max. particle size
50 µm

Max. ambient temperature
70 °C

Oil content of compressed air min.
0 mg/m³

Min. medium temperature
-25 °C

Oil content of compressed air max.
1 mg/m³

Compressed air connection input
M22x1,5

Pilot control exhaust
with directional pilot air exhaust

Compressed air connection, exhaust
M22x1,5

Duty cycle
100 %

Pilot valve width
30 mm

Weight
0.84 kg

Housing material
Aluminum
Polyamide fiber-glass reinforced

Polyurethane
Part No.
5725405202

Seal material
Acrylonitrile butadiene rubber

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>).

