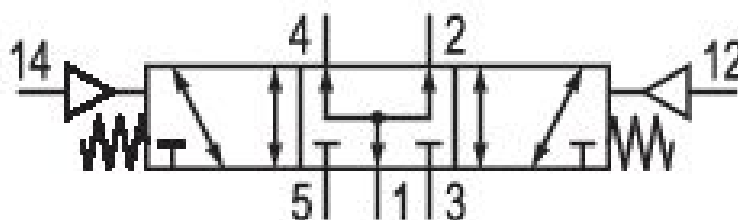
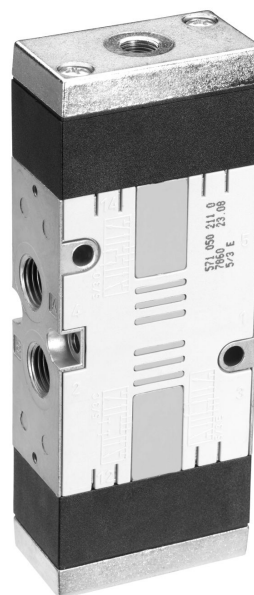


# 5/3-directional valve, Series CD07

## R412008118

AVENTICS Series CD07 Directional valves

- $Q_n = 900 \dots 1400 \text{ l/min}$



### Technical data

Industry	Industrial
Activation	Pneumatically
Frame size	CD07
Valve type	Spool valve, positive overlapping
Switching principle	5/3, pressurized center
Valve function	Pressurized Center
Sealing principle	soft seal
Connection type	Pipe connection
Compressed air connection	M14x1,5
Compressed air connection input	M14x1,5
Compressed air connection output	M14x1,5

Compressed air connection, exhaust	M14x1,5
Compressed air connection pilot input	M10x1
Compressed air connection pilot exhaust	M10x1
Nominal flow Qn	900 l/min
Nominal flow Qn 1 to 2	960 l/min
Nominal flow Qn 2 to 3	900 l/min
Working pressure min.	-0.95 bar
Working pressure max	10 bar
Control pressure min.	3 bar
Control pressure max.	10 bar
Certificates	Suitable for ATEX
ATEX	Suitable for ATEX
Min. ambient temperature	-25 °C
Max. ambient temperature	80 °C
Min. medium temperature	-25 °C
Max. medium temperature	80 °C
Medium	Compressed air
Oil content of compressed air min.	0 mg/m <sup>3</sup>
Oil content of compressed air max.	1 mg/m <sup>3</sup>
Max. particle size	50 µm
Mounting on manifold strip	P-strip PRS strip
Weight	1.15 kg

## Material

Housing material	Die cast zinc Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Part No.	R412008118

## 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

