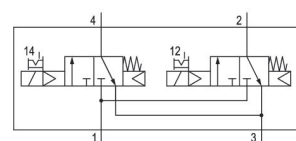
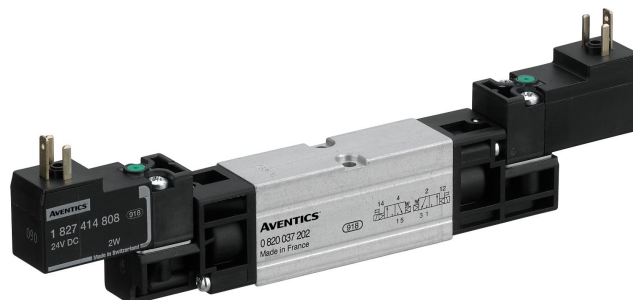


2 x 3/2-directional valve, Series CD02-AL

0820037302

Series CD02-AL

- Qn max. [[450] l/min]
- Electr. control: M12x1, form C
- Width: [[18] mm]
- Pneumatic control



Technical data

Industry
Industrial

Activation
Electrically

Nominal flow Qn
450 l/min

Switching principle
2x3/2

Version
NC/NC

Compressed air connection output
VDMA 02 base plate

Working pressure min.
2.2 bar

Working pressure max
10 bar

DC operating voltage
24 V

Voltage tolerance DC
-10% / +10%

Manual override
with detent

Electrical connection
2

Electrical connection type
Plug

Electrical connection size
ISO 15217, form C

Sealing principle
Soft Seal

Pilot
Internal

Standards
ISO 15407-1

Pilot valve width
15 mm

Valve type Spool valve, positive overlapping	Max. particle size 5 µm
Blocking principle Base plate principle, multiple	Oil content of compressed air min. 0 mg/m ³
Connection type Plate connection	Oil content of compressed air max. 5 mg/m ³
Compressed air connection input VDMA 02 base plate	Connector standard ISO 15217
Compressed air connection, exhaust VDMA 02 base plate	Protection class with connection IP65
Compressed air connection pilot exhaust VDMA 02 base plate	Duty cycle 100 %
Power consumption DC 2 W	Typ. switch-on time 12 ms
Frame size 18 mm	Typ. switch-off time 24 ms
Control pressure min. 2.2 bar	mounting screws M3
Control pressure max. 10 bar	Weight 0.16 kg
Min. ambient temperature 0 °C	Housing material Aluminum
Max. ambient temperature 50 °C	Seal material Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Min. medium temperature 0 °C	Material front plate Polyamide
Max. medium temperature 60 °C	Part No. 0820037302
Medium Compressed air	

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 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

