





# 5/2-directional valve, Series CD02-AL

- ISO 15407-1
- 18 mm
- 5/2
- with spring/air spring return
- $Q_n = 450$  l/min
- Compressed air connection output VDMA 02 base plate
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Version	Spool valve, positive overlapping
Pilot	external
Sealing principle	Soft sealing
Blocking principle	Base plate principle, multiple
Connection type	Plate connection
Standards	ISO 15407-1, 18 mm
Connector standard	ISO 15217
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m <sup>3</sup>
Nominal flow $Q_n$	450 l/min
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	See table below
Typ. switch-off time	See table below
Mounting screw	M3
Weight	See table below

## Technical data

Part No.		MO	Operational voltage DC	Voltage tolerance DC
0820038181			24 V	-10% / +10%
0820038681			24 V	-10% / +10%

Part No.	Power consumption DC	Control pressure min./max.	Typ. switch-on time
0820038181	2 W	2 ... 10 bar	11 ms
0820038681	2 W	1,5 ... 10 bar	8 ms

Part No.	Typ. switch-off time	Electrical connection Pilot valve	Weight
0820038181	14 ms	Plug ISO 15217, form C	0,11 kg
0820038681	10 ms	Plug ISO 15217, form C	0,16 kg



Nominal flow Qn at 6 bar and  $\Delta p = 1$  bar, MO = Manual override

## 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 the MediaCentre).

## Technical information

Housing	Aluminum, anodized
Seals	Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Front plate	Polyamide

# Dimensions

## Dimensions

