



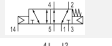
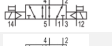

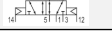
# 5/2-directional valve, Series CD02-AL

- 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 without 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	Power consumption DC
0820038157			24 V	-10% / +10%	2 W
0820038959		-	-	-	-
0820038657			24 V	-10% / +10%	2 W
0820038961		-	-	-	-

Part No.	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
0820038157	2 ... 10 bar	11 ms	14 ms
0820038959	2 ... 10 bar	-	-
0820038657	1,5 ... 10 bar	8 ms	10 ms
0820038961	1,5 ... 10 bar	-	-

Part No.	Electrical connection Pilot valve	basic valve with electrical connector	Weight
0820038157	Plug ISO 15217, form C	-	0,11 kg
0820038959	Plug ISO 15217, form C	Basic valve without pilot valve	0,08 kg
0820038657	Plug ISO 15217, form C	-	0,16 kg
0820038961	Plug ISO 15217, form C	Basic valve without pilot valve	0,1 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

