

5/2-directional valve, Series CD02-AL

- ISO 15407-1
- 18 mm
- 5/2
- With spring/air spring return
- single solenoid double solenoid
- Qn = 450 I/min
- Compressed air connection output VDMA 02 base plate
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Type Spool valve, positive overlapping

Compressed air

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

Max. particle size 5 μm

Medium

Oil content of compressed air 0 ... 5 mg/m³

Nominal flow Qn 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.		МО	Operational voltage DC	Voltage tolerance DC
0820038181	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		24 V	-10% / +10%
0820038681	4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2		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	Weight
		Pilot valve	



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 Δp = 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

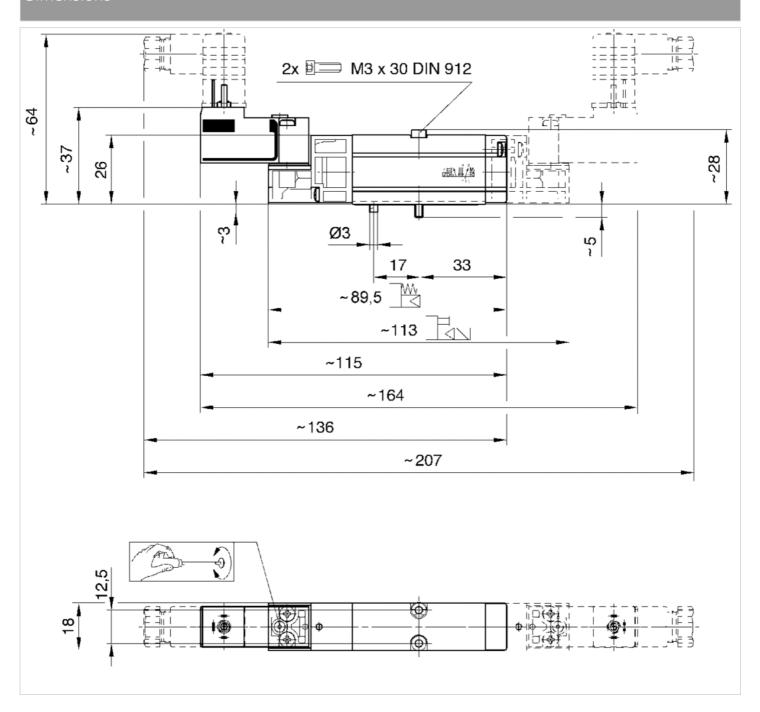
Housing	Aluminum, anodized
	Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Front plate	Polyamide



AVENTICS

Dimensions

Dimensions



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