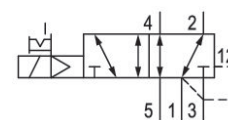
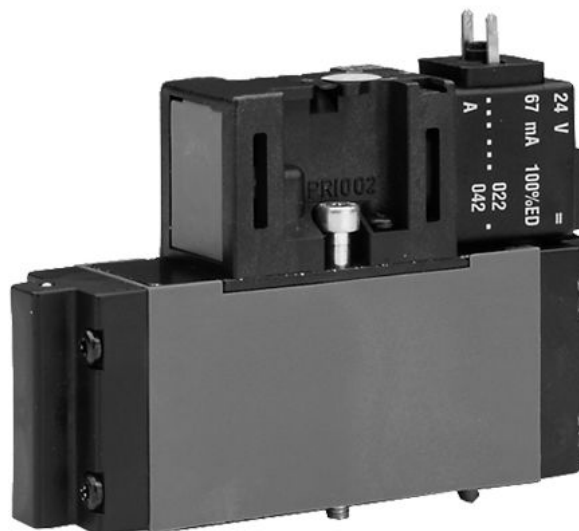


AVENTICS Series CD01-PA Standardized valve systems (ISO 15407-1)

The AVENTICS Series CD01-PA is the flexible valve system according to ISO 15407-1. The Series offers pneumatic or electrical control, vacuum or pressure of up to 16 bar, dual-pressure application, pressure-zones, ATEX certification, and various accessories allow for a wide range of modularity.



Technical data

Industry

Activation

Nominal flow Q_n

Compressed air connection output

Min. working pressure

Max. working pressure

Operational voltage

Operational voltage AC at 50 Hz

Operational voltage AC at 60 Hz

Voltage tolerance AC 50 Hz

Voltage tolerance AC 60 Hz

Manual override

Electrical connection type

Electrical connection size

Actuating control

Sealing principle

Pilot

Certificates

Standards

Industrial

Electrically

1010 l/min

base plate DIN ISO 15407-1

3 bar

10 bar

110 V AC

110 V

110 V

-10% / +15%

-10% / +15%

without detent

Plug

EN 175301-803, form C

Single Solenoid

Soft seal

Internal

Free of substances that impair surface wetting in the coating process

ISO 15407-1

5/2-directional valve, Series CD01-PA

2023-12-13

5763515670

Pilot valve width	26 mm
Valve type	Spool valve, positive overlapping
Connection type	Plate connection
Return	with air spring return
Compressed air connection input	base plate DIN ISO 15407-1
Compressed air connection, exhaust	base plate DIN ISO 15407-1
Compressed air connection pilot input	base plate DIN ISO 15407-1
Compressed air connection pilot exhaust	base plate DIN ISO 15407-1
Holding power AC 50 Hz	3 VA
Holding power AC 60 Hz	2.4 VA
Switch-on power AC 50 Hz	4.2 VA
Switch-on power AC 60 Hz	3.4 VA
Frame size	26 mm
Min. control pressure	3 bar
Max. control pressure	10 bar
Min. ambient temperature	-15 °C
Max. ambient temperature	50 °C
Min. medium temperature	-15 °C
Max. medium temperature	50 °C
Medium	Compressed air
Max. particle size	50 µm
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Connector standard	EN 175301-803, form C
Standard compressed air connection	according to ISO 15407-1
Nominal flow Q _n 1 to 2	1010 l/min
Nominal flow Q _n 2 to 3	1010 l/min
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	29 ms
Typ. switch-off time	42 ms
Mounting screws	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Weight	0.21 kg
Housing material	Polyamide Polyoxymethylene
Seal material	Acrylonitrile butadiene rubber
Part No.	5763515670

Technical information

Versions with voltage of less than 50 V DC do not have a protective ground.

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.

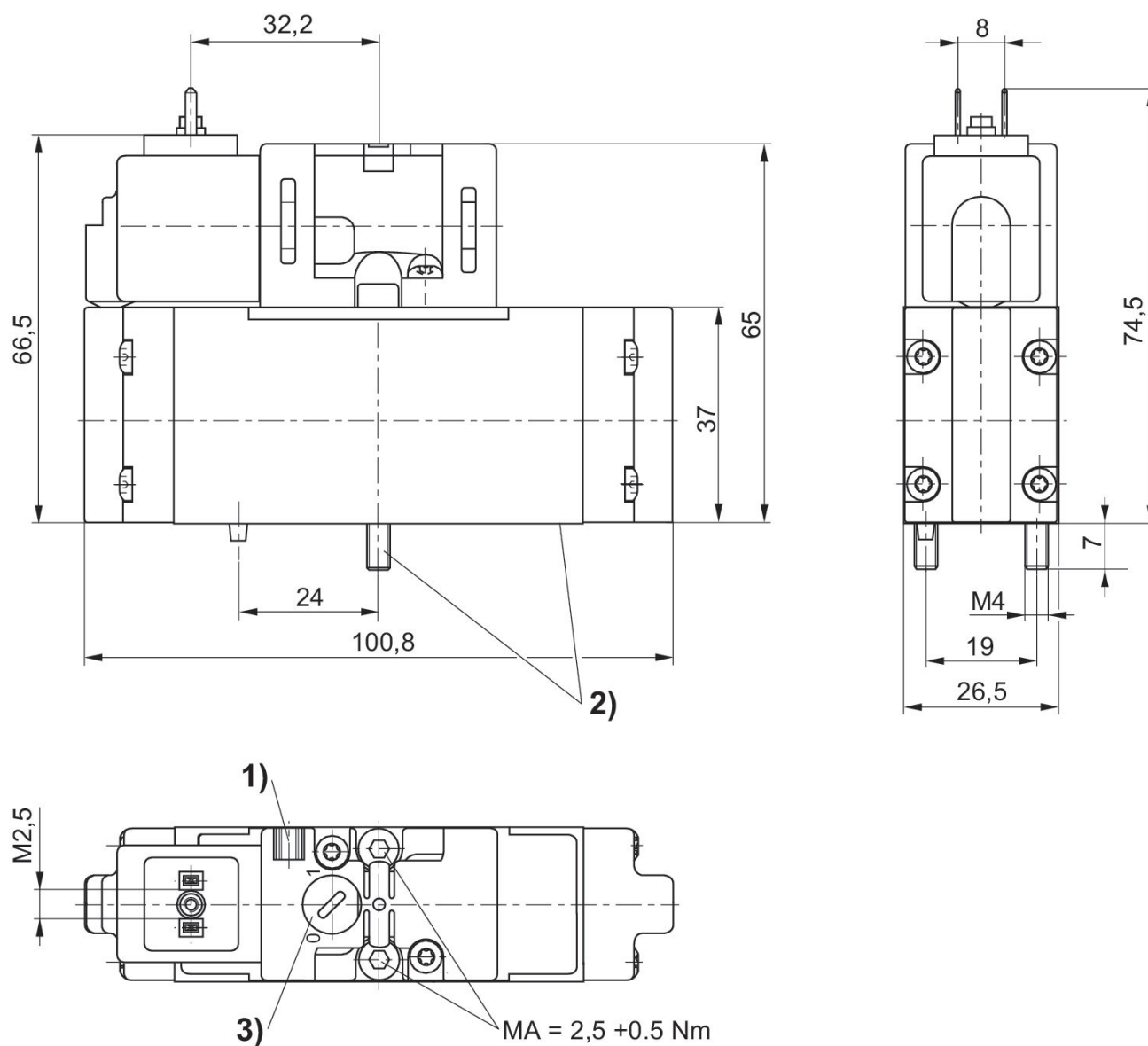
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

5/2-directional valve, Series CD01-PA

2023-12-13

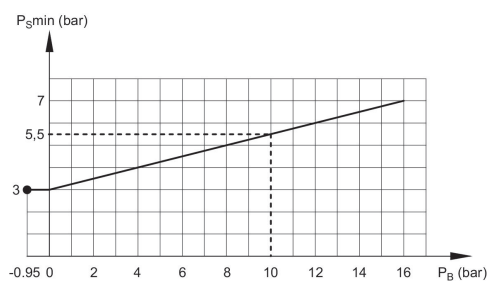
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Dimensions



1) mounting space for name plate 2) screws and seals captive 3) manual override

Minimum control pressure for
externally piloted valves (depending
on the working pressure)



P_B = Working pressure

P_S = control pressure