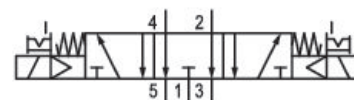


AVENTICS Series CD02-AL Standardized valve systems (ISO 15407-1)

The AVENTICS Series CD02-AL complies with ISO 15407-1. The piloted controlled valves with a flow rate of up to 650 l/min consist of a robust aluminium body and are available with an individual connection plate as well as a valve system.



Technical data

Industry

Industrial

Activation

Electrically

Nominal flow Q_n

250 l/min

Version

Exhausted Center

Compressed air connection output

VDMA 02 base plate

Min. working pressure

2.2 bar

Max. working pressure

10 bar

Operational voltage

24 V AC

Operational voltage AC at 50 Hz

24 V

Operational voltage AC at 60 Hz

24 V

Voltage tolerance AC 50 Hz

-10% / +10%

Voltage tolerance AC 60 Hz

-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

5/3-directional valve, Series CD02-AL

2023-12-13

0820039333

Pilot valve width	15 mm
Valve type	Spool valve, positive overlapping
Blocking principle	Base plate principle, multiple
Connection type	Plate connection
Compressed air connection input	VDMA 02 base plate
Compressed air connection, exhaust	VDMA 02 base plate
Compressed air connection pilot exhaust	VDMA 02 base plate
Holding power AC 50 Hz	1.6 VA
Holding power AC 60 Hz	1.4 VA
Switch-on power AC 50 Hz	2.2 VA
Switch-on power AC 60 Hz	2 VA
Frame size	18 mm
Min. control pressure	2.2 bar
Max. control pressure	10 bar
Min. ambient temperature	0 °C
Max. ambient temperature	50 °C
Min. medium temperature	0 °C
Max. medium temperature	60 °C
Medium	Compressed air
Max. particle size	5 µm
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	9 ms
Typ. switch-off time	20 ms
Mounting screws	M3
Weight	0.17 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Material front plate	Polyamide
Part No.	0820039333

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 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>).

Dimensions

