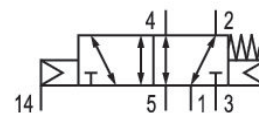


AVENTICS Series CD02-AL Standardized valve systems (ISO 15407-1)

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

450 l/min

Compressed air connection output

VDMA 02 base plate

Min. working pressure

-0.9 bar

Max. working pressure

10 bar

Electrical connection type

Plug

Electrical connection size

ISO 15217, form C

Sealing principle

Soft seal

Pilot

External

Standards

ISO 15407-1

Pilot valve width

15 mm

Valve type

Spool valve, positive overlapping

Blocking principle

Base plate principle, multiple

Connection type

Plate connection

Return

with spring/air spring return

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

Basic valve equipment	Basic valve without pilot valve
Frame size	18 mm
Min. control pressure	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 %
Mounting screws	M3
Weight	0.08 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber Hydrogenated acrylonitrile butadiene rubber
Material front plate	Polyamide
Part No.	0820038959

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>).

0820038959

Dimensions

