

pneumatic valve

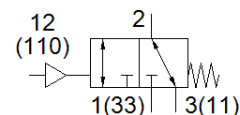
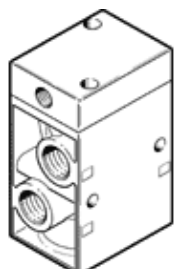
VL/O-3-1/2

Part number: 9983

FESTO

Depending on the choice of connection, normally-open or normally-closed function.

The valve can be used for vacuum when connected up to provide a normally-closed function (vacuum connected to port P1).



Data sheet

Feature	Value
Valve function	3/2 open/closed, monostable
Type of actuation	pneumatic
Width	52 mm
Standard nominal flow rate	3,700 l/min
Operating pressure	-0.95 ... 10 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Protection class	IP65
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	None
Type of piloting	direct
Pilot air supply	external
Flow direction	reversible with restrictions
Freedom from overlap	No
Pilot pressure	1 ... 10 bar
b value	0.3
Switching time off	30 ms
Switching time on	17 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
Storage temperature	-20 ... 60 °C
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 60 °C
Product weight	860 g
Mounting type	Optional on manifold rail with through hole
Pilot air connection: 110	G1/4
Pilot air port 12	G1/4
Pneumatic connection, port 1	G1/2
Pneumatic connection, 11	G1/2
Pneumatic connection, port 2	G1/2

Feature	Value
Pneumatic connection, port 3	G1/2
Pneumatic connection, 33	G1/2
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast