

Air solenoid valve VMPA2-M1H-B-PI

Part number: 537954

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Valve function	5/3-way, pressurized
Actuation type	Electrical
Valve size	20 mm
Normal nominal flow rate (normalized to DIN 1343)	450 l/min
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Degree of protection	IP65 As per IEC 60529
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Flow direction	Reversible
Symbol	00991031
Lap	Positive overlap
Signal status display	Yes
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	Yes
Standard nominal flow rate with QS-8	450 l/min
Standard nominal flow rate with QS-10	550 l/min
Switching time off	46 ms
On switching time	11 ms
Changeover time	23 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	900 µs
Permissible voltage fluctuations	+/- 25%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6

Feature	Value
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C ... 40 °C
Temperature of medium	-5 °C ... 50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 °C ... 50 °C
Max. tightening torque for valve mounting	0.65 Nm
Product weight	100 g
Type of mounting	With through-hole
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum