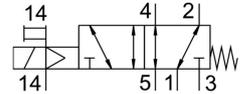


Air solenoid valve VMPA1-M1H-MU-PI

FESTO

Part number: 553113



Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	140 l/min ... 190 l/min
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Poppet valve with return spring
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP65 In mounted state as per IEC 60529
Type code	VMPA1
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Flow direction	Reversible
Symbol	00991190
Lap	Underlap
Signal status display	yes
Pilot pressure MPa	0.4 MPa ... 0.8 MPa
Pilot pressure	4 bar ... 8 bar
Suitability for vacuum	yes
Note on standard nominal flow rate	1->2: 190 l/min 1->4: 140 l/min
Standard nominal flow rate with QS-6	140 l/min ... 190 l/min
Switching time off	14 ms
On switching time	10 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	200 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)

Feature	Value
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	3 - High corrosion stress
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	0.25 Nm
Product weight	35 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	PPA-reinforced