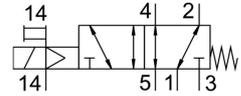
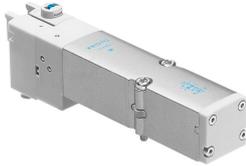


Air solenoid valve VMPA2-M1H-MS-PI

FESTO

Part number: 571333



Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Valve size	20 mm
Standard nominal flow rate	670 l/min ... 840 l/min
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 0.8 MPa
Operating pressure	-0.9 bar ... 8 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Degree of protection	IP65 In mounted state as per IEC 60529
Type code	VMPA2
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Flow direction	Reversible
Symbol	00991190
Lap	Overlap
Signal status display	yes
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Note on standard nominal flow rate	MPA-L: 840 l/min MPA-S: 670 l/min
Standard nominal flow rate with QS-8	670 l/min
Standard nominal flow rate with QS-10	840 l/min
Max. switching frequency	2 Hz
Switching time off	36 ms
On switching time	8 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	900 µs
Permissible voltage fluctuations	+/- 25 %

Feature	Value
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
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
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