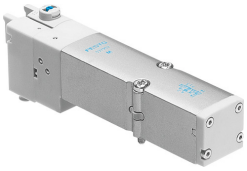
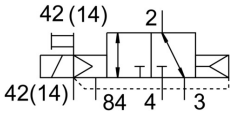
Air solenoid valve
VMPA2-M1BH-X-PI

Part number: 8022039





Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Relative air humidity	Max. 90 % at 40 °C
Lap	Overlap
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Operating pressure	-0.09 MPa ... 1 MPa
Actuation type	Electrical
Valve size	20 mm
Standard nominal flow rate	350 l/min
Operating voltage	24V DC
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65 as per IEC 60529
Certification	c UL us - Recognized (OL)
Type code	VMPA2
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Flow direction	Reversible
Symbol	00991175
Signal status display	yes
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Standard nominal flow rate with QS-10	350 l/min
Switching time off	22 ms
On switching time	13 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
Storage temperature	-20 °C ... 40 °C
Temperature of medium	-5 °C ... 50 °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