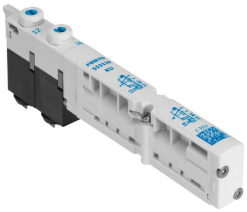
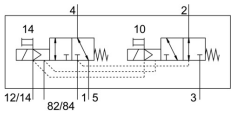
Air solenoid valve
VMPA1-M1H-HU-PI

Part number: 553112





Data sheet

Feature	Value
Valve function	2x3/2, open/closed, monostable
Relative air humidity	Max. 90 % at 40 °C
Lap	Underlap
Note on standard nominal flow rate	1->2: 190 l/min 1->4: 140 l/min
Pilot pressure MPa	0.4 MPa ... 0.8 MPa
Operating pressure	-0.09 MPa ... 1 MPa
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	140 l/min ... 190 l/min
Operating voltage	24V DC
Operating pressure	-0.9 bar ... 10 bar
Design	Poppet valve with return spring
Reset method	Mechanical spring
Degree of protection	IP65 In mounted state as per IEC 60529
Certification	c UL us - Recognized (OL)
Type code	VMPA1
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Flow direction	Reversible
Symbol	00992876
Signal status display	yes
Pilot pressure	4 bar ... 8 bar
Suitability for vacuum	yes
Standard nominal flow rate with QS-6	140 l/min ... 190 l/min
Switching time off	10 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 %
Certificate issuing authority	UL MH19482
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
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)	3 - High 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	0.25 Nm
Product weight	42 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	PPA-reinforced