



## Air solenoid valve VMPA1-M1H-M-PI

URL: <https://www.sxplc.com/air-solenoid-valve-vmpa1-m1h-m-pi>

### Product data sheet

- **Valve function** 5/2, monostable
- **Actuation type** Electrical
- **Valve size** 10 mm
- **Standard nominal flow rate** 360 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** Pneumatic 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** Pilot-controlled

- **Flow direction** Reversible
- **Symbol** 00991050
- **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
- **Standard nominal flow rate with QS-6** 360 l/min
- **Switching time off** 20 ms
- **On switching time** 10 ms
- **Max. positive test pulse with 0 signal** 400  $\mu$ s
- **Max. negative test pulse on 1 signal** 200  $\mu$ s
- **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
- **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**0.25 Nm
- **Product weight**49 g
- **Type of mounting**With through-hole
- **Note on materials**RoHS-compliant
- **Seals material**NBR
- **Housing material**Die-cast aluminum

