



## Air solenoid valve □ VUVG- L10-M52-MZT-M7-1P3

URL: <https://www.sxplc.com/air-solenoid-valve-vuvg-l10-m52-mzt-m7-1p3>

### Product data sheet

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| • <b>Valve function</b> 5/2, monostable                              |
| • <b>Actuation type</b> Electrical                                   |
| • <b>Valve size</b> 10 mm  |
| • <b>Standard nominal flow rate</b> 320 l/min                        |
| • <b>Pneumatic working port</b> M7                                   |
| • <b>Operating voltage</b> 24V DC                                    |
| • <b>Operating pressure</b> -0.09 MPa ... 0.8 MPa                    |
| • <b>Operating pressure</b> -0.9 bar ... 8 bar                       |
| • <b>Structural design</b> Piston gate valve                         |
| • <b>Reset method</b> Mechanical spring                              |
| • <b>Certification</b> RCM compliance mark c UL us - Recognized (OL) |
| • <b>Degree of protection</b> IP40 IP65 With plug socket             |
| • <b>Nominal width</b> 2.8 mm  |
| • <b>Exhaust air function</b> With flow control option               |

- **Sealing principle**Soft
- **Mounting position**Any
- **Manual override**Detenting Non-detenting Covered
- **Type of control**Pilot-controlled
- **Pilot air supply port**External
- **Symbol**00991190
- **Lap**Overlap
- **Pilot pressure MPa**0.3 MPa ... 0.8 MPa
- **Pilot pressure**3 bar ... 8 bar
- **Suitability for vacuum**yes
- **Switching time off**24 ms
- **On switching time**8 ms
- **Duty cycle**100%
- **Max. positive test pulse with 0 signal**700  $\mu$ s
- **Max. negative test pulse on 1 signal**900  $\mu$ s
- **Coil characteristics**24 V DC: 1.0 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W
- **Permissible voltage fluctuations**+/- 10 %
- **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

- **Restricted ambient and media temperature**-5 - 50 °C Without holding power reduction
- **Shock resistance**Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
- **Corrosion resistance class (CRC)**2 - Moderate corrosion stress
- **LABS (PWIS) conformity**VDMA24364-B1/B2-L
- **Temperature of medium**-5 °C ... 60 °C
- **Pilot medium**Compressed air as per ISO 8573-1:2010 [7:4:4]
- **Ambient temperature**-5 °C ... 60 °C
- **Product weight**44 g
- **Electrical connection**Via electrical sub-base
- **Type of mounting**Optionally: On terminal strip With through-hole
- **Pilot air port 12/14**M3
- **Pneumatic connection 1**M7
- **Pneumatic connection 2**M7
- **Pneumatic connection 4**M7
- **Pneumatic connection 5**M7
- **Note on materials**RoHS-compliant
- **Seals material**HNBR NBR
- **Housing material**Wrought aluminum alloy

