



## Air solenoid valve

URL: [https://www.sxplc.com/index.php?route=product/product&product\\_id=3520](https://www.sxplc.com/index.php?route=product/product&product_id=3520)

### Product data sheet

**Valve function** 5/2 monostable

**Actuation type** Electrical

**Valve size** 10 mm

Standard nominal flow rate 400 l/min

Pneumatic working port M7

Operating voltage 24V DC

Operating pressure 0.09 MPa ... 1 MPa

Operating pressure 0.9 bar ... 10 bar

Structural design Piston gate valve

Reset methodPneumatic spring

Degree of protectionIP65

Nominal width4 mm

Exhaust air functionWithout flow control option

Sealing principleSoft

Mounting positionAny

Manual overrideDetenting Non-detenting

Type of controlPilot-controlled

Pilot air supply portExternal Internal

Flow directionNon-reversible

Symbol00991027

LapOverlap

Pilot pressure MPa0.3 MPa ... 0.8 MPa

Pilot pressure3 bar ... 8 bar

b-value0.4

C value 1.6 l/sbar

Switching time off 27 ms

On switching time 17 ms

Duty cycle 100% in combination with holding current reduction

Electrical power consumption 0.46 W

Max. positive test pulse with 0 signal 1400  $\mu$ s

Max. negative test pulse on 1 signal 700  $\mu$ s

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)

Corrosion resistance class (CRC) 2 - Moderate corrosion stress

LABS (PWIS) conformity VDMA 24364-B1/B2-L

Storage temperature -20 °C ... 40 °C

Temperature of medium -5 °C ... 50 °C

Ambient temperature -5 °C ... 50 °C

Product weight 70 g

Type of mounting With through-hole

Pilot air port 12/14 Common port

Pilot exhaust air port 82/84 Common port

Pneumatic connection 1 Common port

Pneumatic connection 11 Common port

Pneumatic connection 2 M7

Pneumatic port 3/5 combined Common port

Pneumatic connection 4 M7

Note on materials RoHS-compliant

Seals material HNBR NBR

Housing material Die-cast aluminum Brass POM PPS Steel

