



## Solenoid valve □ VSVA-B-P53C-ZD-D11T1L

URL: <https://www.sxplc.com/solenoid-valve-vsva-b-p53c-zd-d11t1l>

### Product data sheet

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| • <b>Valve function</b> 5/3 closed   |
| • <b>Type of actuation</b> Electric  |
| • <b>Construction width</b> 42 mm  |
| • <b>Standard nominal flow rate (standardised to DIN 1343)</b> 1200<br>l/min                         |
| • <b>pneumatic working port</b> Sub-base size 1 to ISO 5599-2 G3/8                                   |
| • <b>Operating voltage</b> 24V DC  |
| • <b>Operating pressure</b> -0.09 MPa ... 1 MPa  |
| • <b>Operating pressure</b> -0.9 bar ... 10 bar  |
| • <b>Design</b> Piston gate valve  |
| • <b>Approval</b> c UL us - Recognized (OL)  |
| • <b>Degree of protection</b> IP65 NEMA 4  |
| • <b>Exhaust-air function</b> With flow control option Via throttle plate Via<br>individual sub-base |

- **Sealing principle**Soft
- **Mounting position**optional
- **Manual override**Detenting Non-detenting Covered
- **Type of piloting**Pilot actuated
- **Pilot air supply**External
- **Flow direction**optional
- **Symbol**I00992938
- **Signal status display**LED
- **Pilot pressure**0.3 MPa ... 1 MPa
- **Pilot pressure**3 bar ... 10 bar
- **Flow rate of valve**1700 l/min
- **Flow rate of valve on individual sub-base**1400 l/min
- **Valve flow rate, pneumatically linked, flow optimized**1690 l/min
- **Flow rate of pneumatically interlinked valve**1200 l/min
- **Switching time off**65 ms
- **Switching time on**22 ms
- **Max. positive test pulse with 0 signal**1400  $\mu$ s
- **Max. negative test pulse with 1 signal**900  $\mu$ s
- **Nominal pick-up current per solenoid coil**72 mA to 30 ms
- **Characteristic coil data**24 V DC: 1.6 W
- **Immunity to surge**2.5 kV
- **Pollution degree**3
- **Permissible voltage fluctuations**+/- 10 %

- **Operating medium** Compressed air to ISO 8573-1:2010 [7:4:4]
- **Note on operating and pilot medium** Lubricated operation possible (in which case lubricated operation will always be required)
- **Vibration resistance** Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
- **Shock resistance** Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
- **Corrosion resistance class** CRC0 - No corrosion stress
- **LABS (PWIS) conformity** VDMA24364-B1/B2-L
- **Relative air humidity** 0 - 90%
- **Ambient temperature** -5 °C ... 50 °C
- **Product weight** 456 g
- **Electrical connection** Plug-in To ISO 5599-2
- **Type of mounting** On sub-base
- **Pilot air port 12/14** Sub-base size 1 to ISO 5599-2
- **Pilot exhaust port 82/84** Ducted Not ducted as per standard Either:
- **Pneumatic connection, port 1** Sub-base size 1 to ISO 5599-2
- **Pneumatic connection, port 2** Sub-base size 1 to ISO 5599-2
- **Pneumatic connection, port 3** Sub-base size 1 to ISO 5599-2
- **Pneumatic connection, port 4** Sub-base size 1 to ISO 5599-2
- **Pneumatic connection, port 5** Sub-base size 1 to ISO 5599-2
- **Note on materials** RoHS-compliant
- **Material seals** FPM HNBR NBR

- **Material housing** Die-cast aluminium PA

- **Material screws** Galvanised steel

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