



Solenoid valve USVA-B-P53C-ZD-D11T1L

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

Product data sheet

•	Valve function5/3 closed
•	Type of actuationElectric
•	Construction width42 mm
•	Standard nominal flow rate (standardised to DIN 1343)1200
	l/min
•	pneumatic working portSub-base size 1 to ISO 5599-2 G3/8
•	Operating voltage24V DC
•	Operating pressure-0.09 MPa 1 MPa
•	Operating pressure-0.9 bar 10 bar
•	Design Piston gate valve
•	Approvalc UL us - Recognized (OL)
•	Degree of protectionIP65 NEMA 4
•	Exhaust-air functionWith flow control option Via throttle plate Via
	individual sub-base

1/4

Sealing principleSoft • Mounting positionoptional • Manual overrideDetenting Non-detenting Covered Type of pilotingPilot actuated • Pilot air supply External • Flow direction optional • **Symbol**00992938 • Signal status displayLED • Pilot pressure 0.3 MPa ... 1 MPa • Pilot pressure3 bar ... 10 bar • Flow rate of valve1700 l/min • Flow rate of valve on individual sub-base1400 l/min Valve flow rate, pneumatically linked, flow optimized 1690 l/min • Flow rate of pneumatically interlinked valve1200 l/min • **Switching time off**65 ms • **Switching time on**22 ms • Max. positive test pulse with 0 signal 1400 μs Max. negative test pulse with 1 signal 900 μs Nominal pick-up current per solenoid coil72 mA to 30 ms Characteristic coil data24 V DC: 1.6 W • Immunity to surge2.5 kV • Pollution degree3 • Permissible voltage fluctuations+/- 10 %

- **Operating medium**Compressed air to ISO 8573-1:2010 [7:4:4]
- Note on operating and pilot mediumLubricated 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 resistanceShock 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 humidity0 90%
- Ambient temperature-5 °C ... 50 °C
- Product weight456 g
- **Electrical connection**Plug-in To ISO 5599-2
- Type of mountingOn sub-base
- Pilot air port 12/14Sub-base size 1 to ISO 5599-2
- **Pilot exhaust port 82/84**Ducted Not ducted as per standard Either:
- Pneumatic connection, port 1Sub-base size 1 to ISO 5599-2
- Pneumatic connection, port 2Sub-base size 1 to ISO 5599-2
- Pneumatic connection, port 3Sub-base size 1 to ISO 5599-2
- Pneumatic connection, port 4Sub-base size 1 to ISO 5599-2
- Pneumatic connection, port 5Sub-base size 1 to ISO 5599-2
- Note on materials RoHS-compliant
- Material sealsFPM HNBR NBR

- Material housing Die-cast aluminium PA
- Material screwsGalvanised steel

