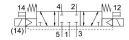
Solenoid valve VSVA-B-P53C-ZD-A1-1T1L

FESTO

Part number: 539162





Data sheet

Feature	Value	
Valve function	5/3 closed	
Type of actuation	Electric	
Construction width	26 mm	
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min	
pneumatic working port	Sub-base size 26 mm to ISO 15407-1 Sub-base size 01 to VDMA 24563 G1/4	
Operating voltage	24V DC	
Operating pressure	-0.09 MPa1 MPa -0.9 bar10 bar	
Design	Piston gate valve	
Approval	c UL us - Recognized (OL)	
Degree of protection	IP65 NEMA 4	
Exhaust-air function	With flow control option Via throttle plate Via individual sub-base	
Sealing principle	Soft	
Mounting position	optional	
Manual override	Detenting Non-detenting Covered	
Type of piloting	Pilot actuated	
Pilot air supply	External Internal	
Flow direction	optional	
lap	Overlap	
Signal status display	LED	
Pilot pressure	0.3 MPa1 MPa 3 bar10 bar	
Flow rate of valve	1400 l/min	
Flow rate of valve on individual sub-base	1200 l/min	
Valve flow rate, pneumatically linked, flow optimized	1350 l/min	
Flow rate of pneumatically interlinked valve	1000 l/min	

Feature	Value
Switching time off	65 ms
Switching time on	22 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1200 μs
Max. negative test pulse with 1 signal	1100 μs
Max. current consumption	72 mA
Nominal operating voltage DC	24 V
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 CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Relative air humidity	0 - 90%
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Product weight	320 g
Electrical connection	Plug-in To ISO 15407-2
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base size 26 mm to ISO 15407-2
Pilot exhaust port 82/84	Ducted Not ducted as per standard Either:
Pneumatic connection, port 1	Sub-base size 26 mm to ISO 15407-2
Pneumatic connection, port 2	Sub-base size 26 mm to ISO 15407-2
Pneumatic connection, port 3	Sub-base size 26 mm to ISO 15407-2
Pneumatic connection, port 4	Sub-base size 26 mm to ISO 15407-2
Pneumatic connection, port 5	Sub-base size 26 mm to ISO 15407-2
Note on materials	RoHS-compliant
Material seals	FPM HNBR NBR
Material housing	Die-cast aluminium PA
Material screws	Galvanised steel