Solenoid valve VSVA-B-P53E-H-A1-5C1 Part number: 547144

FESTO





Data sheet

Feature	Value	
Valve function	5/3 exhausted	
Type of actuation	Electric	
Valve size	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	12V DC	
Operating pressure	0.3 MPa1 MPa 3 bar10 bar	
Design	Piston gate valve	
Type of reset	Mechanical spring	
Degree of protection	IP65 NEMA 4	
Nominal size	9 mm	
Exhaust-air function	With flow control option	
Sealing principle	Soft	
Mounting position	optional	
Conforms to standard	ISO 15407-1 VDMA 24563	
Manual override	Non-detenting	
Type of piloting	Pilot actuated	
Pilot air supply	Internal	
Flow direction	Non-reversible	
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	1100 l/min	
Flow rate of pneumatically interlinked valve	1000 l/min	
Switching time off	58 ms	
Switching time on	23 ms	

Feature	Value
Switching time reversal	35 ms
Duty cycle	100%
Characteristic coil data	12 V DC: 1.8 W
Permissible voltage fluctuations	-15%/+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
Media temperature	-5 °C50 °C
Relative air humidity	0 - 90%
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Max. tightening torque for valve mounting	2 Nm
Product weight	305 g
Electrical connection	Type C To DIN EN 175301-803 Without protective earth conductor
Type of mounting	On sub-base
Auxiliary pilot air port 12	Sub-base size 26 mm to ISO 15407-1
Auxiliary pilot air port 14	Sub-base size 26 mm to ISO 15407-1
Pilot exhaust port 82/84	Ducted Not ducted as per standard
Pneumatic connection, port 1	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 2	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 3	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 4	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 5	Sub-base size 26 mm to ISO 15407-1
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium
Material screws	Steel Galvanised