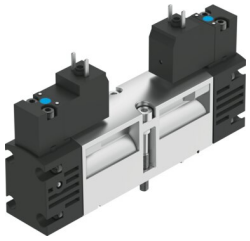
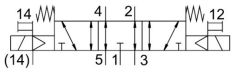
Solenoid valve
VSVA-B-P53E-ZH-A1-5C1

Part number: 547164





General operating condition

Solenoid valve

Product details

Category page

Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	Electrical
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	12 V DC
Operating pressure	-0.09 MPa ... 1.6 MPa
Operating pressure	-0.9 bar ... 16 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Degree of protection	IP65 NEMA 4
Nominal size	9 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 15407-1 VDMA 24563
Manual override	Non-detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
Symbol	00992939
lap	Overlap
Signal status display	LED
Pilot pressure	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 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
Switching time reversal	35 ms

Feature	Value
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 °C ... 50 °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 °C ... 50 °C
Max. tightening torque for valve mounting	2 Nm
Product weight	305 g
Electrical connection	Type C To DIN EN 175301-803 Without PE 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