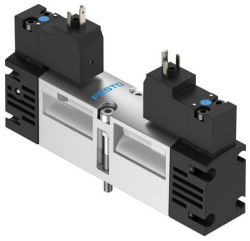
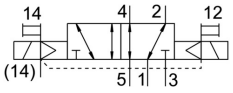
Air solenoid valve
VSVA-B-B52-ZH-A2-2AC1

Part number: 547195





General operating condition

Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Valve size	18 mm
Standard nominal flow rate	550 l/min
Pneumatic working port	Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563 G1/8
Operating voltage	110V AC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
CE marking (see declaration of conformity)	As per EU low voltage directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Degree of protection	IP65 NEMA 4
Nominal width	5 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 15407-1 VDMA 24563
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Reversible
Symbol	00992941
Lap	Overlap
Signal status display	LED
Pilot pressure MPa	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Flow rate of pneumatic valve	750 l/min
Flow rate of pneumatic valve on individual sub-base	550 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	550 l/min
Changeover time	15 ms
Duty cycle	100%
Coil characteristics	110 V AC: 50/60 Hz, initial power 2.9 VA, holding power 2.1 VA
Permissible voltage fluctuations	-15 % / +10 %

Feature	Value
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C ... 50 °C
Relative air humidity	0 - 90 %
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Max. tightening torque for valve mounting	1 Nm
Product weight	174 g
Electrical connection	Form C With PE conductor as per DIN EN 175301-803
Type of mounting	On sub-base
Auxiliary pilot air port 12	Sub-base, size 18 mm as per ISO 15407-1
Auxiliary pilot air port 14	Sub-base, size 18 mm as per ISO 15407-1
Pilot exhaust air port 82/84	Ducted Not ducted Optionally:
Pneumatic connection 1	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 2	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 3	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 4	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 5	Sub-base, size 18 mm as per ISO 15407-1
Pilot interface	as per ISO 15218
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum
Material of screws	Steel Galvanized