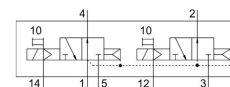


Solenoid valve VSVA-B.-F.

Part number: 8033845

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve function	5/3, connection 2 pressurized, 4 exhausted 5/3, connection 4 pressurized, 2 exhausted
Actuation type	Electrical
Width	52 mm
Nominal flow rate standardized according to ISO 8778	1400 l/min ... 4100 l/min
Pneumatic working port	Sub-base, size 1 according to ISO 5599-1 Sub-base, size 2 according to ISO 5599-1
Operating voltage	12V DC 230V AC 24V AC 24V DC 48V AC 48V DC
Operating pressure	-0.09 MPa ... 1.6 MPa
Operating pressure	-0.9 bar ... 16 bar
Structural design	Piston gate valve
Reset method	Mechanical spring Pneumatic spring
Degree of protection	IP65 NEMA 4
Nominal width	8 mm
Width dimension	53 mm
Exhaust air function	Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting None Detenting via accessory Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External Internal
Flow direction	Non-reversible Reversible

Feature	Value
Symbol	00991003 00991005 00991049 00991050 00991805 00991809 00995472 00995501 00995503 00995515
Lap	Overlap
Pilot pressure MPa	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Suitability for vacuum	yes no
b-value	0.091 ... 1.7
C value	3.098 l/sbar ... 8.578 l/sbar
Flow rate of pneumatic valve	1200 l/min ... 3800 l/min
Flow rate of pneumatic valve on individual sub-base	1100 l/min ... 3200 l/min
Optimized flow rate of pneumatic valve, pneumatically concatenated flow	1100 l/min ... 2700 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	1000 l/min ... 1400 l/min
Max. switching frequency	1 Hz ... 5 Hz
Switching time off	25 ms ... 83 ms
On switching time	18 ms ... 56 ms
Changeover time	16 ms ... 40 ms
Duty cycle	100%
Coil characteristics	24 V DC: 0.35 W
Permissible voltage fluctuations	+/- 10 %
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)
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °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	-10 °C ... 50 °C
Max. tightening torque for valve mounting	1 Nm ... 2 Nm
Product weight	350 g ... 803 g
Electrical connection	Form A Form B Form C M12x1, A-coded according to DESINA M12x1, A-coded as per EN 61076-2-101 as per EN 175301-803
Type of mounting	On sub-base
Pilot air port 12	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pilot air port 14	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1

Feature	Value
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-1 Sub-base, size 2 as per ISO 5599-1
Pilot interface	as per ISO 15218
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum
Material of screws	Steel