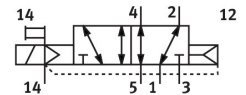


Solenoid valve VSVA-B-.-F.

Part number: 8033845

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve function	2/2-way, closed, monostable 2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 5/2 bistable 5/2-way, bistable, dominant 5/2-way, monostable 5/3-way, pressurised 1 to 2, 4 to 5 closed 5/3-way, pressurised 5/3 exhausted 5/3 closed 5/3-way, port 2 pressurised, 4 exhausted 5/3-way, port 4 pressurised, 2 exhausted
Type of actuation	Electric
Construction width	52 mm
Nominal flow rate standardised according to ISO 8778	1400 l/min ... 4100 l/min
pneumatic working port	Sub-base size 1 to ISO 5599-1 Sub-base size 2 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
Design	Piston gate valve
Type of reset	Mechanical spring Pneumatic spring
Degree of protection	IP65 NEMA 4
Nominal size	8 mm
Grid dimension	53 mm
Exhaust-air function	Via individual sub-base
Sealing principle	Soft
Mounting position	optional
Conforms to standard	ISO 5599-1
Manual override	Detenting None Detenting via accessory Non-detenting

Feature	Value
Type of piloting	Pilot actuated
Pilot air supply	External Internal
Flow direction	Non-reversible Reversible
Symbol	00991003 00991005 00991049 00991050 00991805 00991809 00995472 00995501 00995503 00995515
lap	Overlap
Pilot pressure	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 valve	1200 l/min ... 3800 l/min
Flow rate of valve on individual sub-base	1100 l/min ... 3200 l/min
Valve flow rate, pneumatically linked, flow optimized	1100 l/min ... 2700 l/min
Flow rate of pneumatically interlinked valve	1000 l/min ... 1400 l/min
Max. switching frequency	1 Hz ... 5 Hz
Switching time off	25 ms ... 83 ms
Switching time on	18 ms ... 56 ms
Switching time reversal	16 ms ... 40 ms
Duty cycle	100%
Characteristic coil data	24 V DC: 0.35 W
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)
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °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	-10 °C ... 50 °C
Max. tightening torque for valve mounting	1 Nm ... 2 Nm
Product weight	350 g ... 803 g
Electrical connection	Type A Type B Type C M12x1, A-coded according to DESINA M12x1, A-coded to EN 61076-2-101 To EN 175301-803
Type of mounting	On sub-base
Pilot air port 12	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pilot air port 14	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 1	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1

Feature	Value
Pneumatic connection, port 3	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 1 to ISO 5599-1 Sub-base size 2 to ISO 5599-1
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium
Material screws	Steel