

Solenoid valve VSVA-B-.-F.

Part number: 8033845

FESTO



Data sheet

Feature	Value
Valve function	2/2, closed, monostable 2x3/2, closed, monostable 2x3/2, open, monostable 2x3/2, open/closed, monostable 5/2, bistable 5/2, bistable, dominant 5/2, monostable 5/3 pressurized 1 to 2, 4 to 5 closed 5/3, pressurized 5/3, exhausted 5/3, closed 5/3, connection 2 pressurized, 4 exhausted 5/3, connection 4 pressurized, 2 exhausted
Actuation type	Electrical
Width	42 mm 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
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	11.5 mm 8 mm
Width dimension	43 mm 53 mm
Exhaust air function	Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1

Feature	Value
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
Lap	Overlap
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
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]
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
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