

Solenoid valve VSVA-B-.-F.

Part number: 8033845

FESTO



Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable 2x3/2 closed, monostable 2x3/2 open monostable 2x3/2, open/closed, monostable 5/2-way, bistable 5/2-way, dominant, bistable 5/2-way, monostable 5/3 pressurized 1 to 2, 4 to 5 closed 5/3-way, pressurized 5/3 exhausted 5/3-way, closed 5/3, connection 2 pressurized, 4 exhausted 5/3, connection 4 pressurized, 2 exhausted
Actuation type	Electrical
Nominal flow rate standardized according to ISO 8778	1400 l/min...4100 l/min
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	Adjustable 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	Piloted
Pilot air supply port	External Internal

Feature	Value
Flow direction	Non-reversible Reversible
Lap	Positive 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
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	110/120 V AC: 50/60 Hz, initial power 2.7 VA, holding power 1.9 VA 110/120 V AC: 50/60 Hz, initial power 4.4 VA, holding power 3.3 VA 12 V DC: 2.8 W 12 V DC: 3.4 W 230/240 V AC: 50/60 Hz, initial power 3.9 VA, holding power 2.8 VA 230/240 V AC: 50/60 Hz, initial power 5.8 VA, holding power 4.6 VA 24 V DC: 3.3 W
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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
Product weight	350 g...803 g
Electrical connection	Type A Form B Type 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 exhaust air port 82	M5 Not ducted
Pilot exhaust air port 84	M5 Not ducted
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
Note on materials	RoHS compliant