

Air solenoid valve VSNC

Part number: 8026033

FESTO



Data sheet

Feature	Value
Valve function	5/2-way, bistable 5/2- or 3/2-way, switchable 5/3-way, pressurized 5/3 exhausted 5/3-way, closed
Actuation type	Electrical
Normal nominal flow rate (normalized to DIN 1343)	800 l/min...1350 l/min
Operating pressure	1.5 bar...10 bar
Structural design	Piston gate valve Plate seat
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU low voltage directive As per EU RoHS directive
Degree of protection	IP65 IP66 IP67 With plug socket As per IEC 60529
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	Detenting None Non-detenting Covered
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap Negative overlap
b-value	0.4 ...0.5
C value	2.1 l/sbar...5.6 l/sbar

Feature	Value
Standard nominal flow rate, exhaust air return 4->3	110 l/min
Switching time off	6 ms...120 ms
On switching time	4 ms...35 ms
Changeover time	2 ms...55 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 110/120 V AC: 50/60 Hz, initial power 5.2 VA, holding power 3.1 VA 110/120 V AC: 50/60 Hz, initial power 6.9 VA, holding power 3.1 VA 110 V AC: 50/60 Hz, initial power 7.7 VA, holding power 3.8 VA 120 V AC: 60 Hz, initial power 10.0 VA, holding power 6.8 VA 12 V DC: 2.8 W 12 V DC: 3.4 W
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	-20 °C...60 °C
Ambient temperature	-20 °C...60 °C
Product weight	335 g...685 g
Electrical connection	3-pin Type A Form B Cable connector M20x1.5 M12x1, A-coded as per EN 61076-2-101 Plug As per EN 175301-803 As per industry standard (11 mm)
Type of mounting	With through-hole
Pneumatic connection 1	G1/4 1/4 NPT QS-6 QS-8 QS-10 QS-1/4 QS-5/16 QS-3/8
Pneumatic connection 2	NAMUR connection pattern
Pneumatic connection 3	G1/4 1/4 NPT QS-6 QS-8 QS-10 QS-1/4 QS-5/16 QS-3/8
Pneumatic connection 4	NAMUR connection pattern
Pneumatic connection 5	G1/4 1/4 NPT QS-6 QS-8 QS-10 QS-5/16 QS-1/4 QS-3/8
Note on materials	RoHS compliant