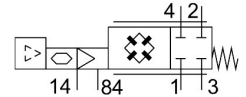


Pneumatic valve

VEVM-S1-27-B-C-F-1T1L

Part number: 8047503

FESTO



Data sheet

Feature	Value
Valve size	27 mm
Width dimension	28 mm
Valve function	Can be assigned using Motion App
Structural design	Piston seat
Sealing principle	Soft
Actuation type	Electrical
Type of control	Pilot-controlled
Reset method	Mechanical spring
Mounting position	Any
Exhaust air function	Without flow control option
Pilot air supply port	External
Suitability for vacuum	yes
Flow direction	Non-reversible
Degree of protection	IP65
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Housing material	PA
Seals material	NBR TPE-U(PU)
Material fire test	UL94 HB
For use in the food industry	See supplementary material information
Product weight	200 g
On switching time	8.5 ms
Switching time off	8.5 ms
Nominal width	4.2 mm
C value	2 l/sbar
Standard flow rate 0.8->0 MPa (8->0 bar, 116->0 psi)	1000 l/min
Standard nominal flow rate pressurization 6->5 bar	450 l/min
Standard nominal flow rate exhaust air 6->5 bar	480 l/min
Status indicator	LED blue = normal state LED red = malfunction

Feature	Value
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication not possible Condensation in the valve not allowed
Operating pressure	0.3 MPa...0.8 MPa 3 bar...8 bar 43.5 psi...116 psi
Pilot pressure MPa	0.3 MPa...0.8 MPa
Pilot pressure	3 bar...8 bar
Pilot pressure psi	43.5 psi...116 psi
Information on operating pressure	0 - 8 bar with external pilot air Vacuum operation at connection 3 only
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 25 %
Duty cycle	100%
Electrical power consumption	1.5 W
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-20 °C...40 °C
Temperature of medium	5 °C...50 °C
Ambient temperature	5 °C...50 °C
Relative air humidity	0 - 90 %
Pneumatic connection 2	G1/8
Pneumatic connection 4	G1/8
Pilot air port 14	M5
Pneumatic connection 1	G3/8
Pneumatic connection 3	G3/8
Pilot exhaust air port 84	M7
Venting hole connection	M7