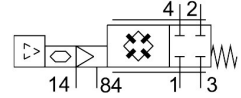


Valve

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

Part number: 8047503

FESTO



Data sheet

Feature	Value
Valve size	27 mm
Grid dimension	28 mm
Valve function	Can be allocated using the Motion App
Design	Piston seat
Sealing principle	Soft
Type of actuation	Electric
Type of piloting	Pilot actuated
Type of reset	Mechanical spring
Mounting position	optional
Exhaust-air function	Without flow control option
Pilot air supply	External
Suitability for vacuum	yes
Flow direction	Non-reversible
Degree of protection	IP65
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Material housing	PA
Material seals	NBR TPE-U(PU)
Fire test material	UL94 HB
Suitable for use with food	See supplementary material information
Product weight	200 g
Switching time on	8.5 ms
Switching time off	8.5 ms
Nominal size	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, air flow 0.6->0,5 MPa (6->5 bar, 87->72.5 psi)	450 l/min
Standard nominal flow rate, exhaust 0.6->0.5 MPa (6->5 bar, 87->72.5 psi)	480 l/min

Feature	Value
Status indication	Blue LED = normal status Red LED = malfunction
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation 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	0.3 MPa...0.8 MPa 3 bar...8 bar 43.5 psi...116 psi
Note 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
Media temperature	5 °C...50 °C
Ambient temperature	5 °C...50 °C
Relative air humidity	0 - 90%
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 4	G1/8
Pilot air port 14	M5
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 3	G3/8
Pilot exhaust port 84	M7
Breather connection	M7