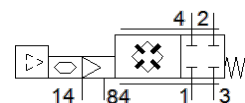
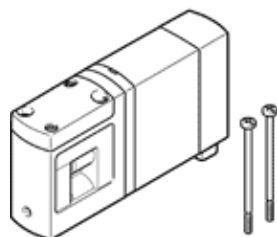


valve

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 structure	Piston seat
Sealing principle	soft
Type of actuation	electrical
Type of piloting	Piloted
Type of reset	mechanical spring
Assembly position	Any
Exhaust-air function	not throttleable
Pilot air supply	external
Suitability for vacuum	Yes
Flow direction	non reversible
Protection class	IP65
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Material housing	PA
Material seals	NBR TPE-U(PU)
Material fire test	UL94 HB
Food-safe	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)	1,000 l/min
Standard nominal flow rate pressurisation 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
Status display	Blue LED = normal status Red LED = malfunction
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible Condensation in the valve not allowed
Operating pressure MPa	0.3 ... 0.8 MPa
Operating pressure	3 ... 8 bar 43.5 ... 116 psi
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar 43.5 ... 116 psi
Note on operating pressure	0 - 8 bar with external pilot air Vacuum operation at port 3 only

Feature	Value
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 25 %
Duty cycle	100 %
Electrical power consumption	2 W
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Storage temperature	-20 ... 40 °C
Medium temperature	5 ... 45 °C
Ambient temperature	5 ... 45 °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
Scavenging orifice connection	M7