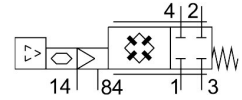


Valve VEVM-S1-27-B-C-F-1T1L

Part number: 8047503

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Valve size	27 mm
Grid dimension	28 mm
Symbol	00995604
Valve function	To be assigned via Motion App
Design	Piston seat
Sealing principle	Soft
Type of actuation	Electrical
Type of piloting	Piloted
Type of reset	Mechanical spring
Mounting position	Any
Exhaust-air function	Cannot be throttled
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	Process automation
Material seals	NBR TPE-U(PIU)
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
Status indication	Blue LED = normal status Red LED = malfunction
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas

Feature	Value
Note on operating and pilot medium	Lubricated operation not possible Condensation in the valve not allowed
Operating pressure	0.3 MPa ... 0.8 MPa
Operating pressure	3 bar ... 8 bar
Operating pressure	43.5 psi ... 116 psi
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Pilot pressure	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