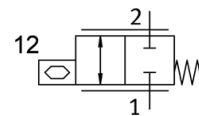
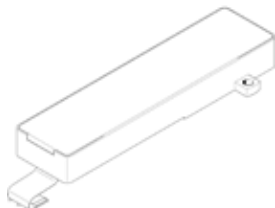


Piezo valve

VEAE-BB-6-12-D9-X4

Part number: 8078916

FESTO



Data sheet

Feature	Value
Valve function	2/2 closed, monostable
Flow direction	non reversible
Type of piloting	direct
Type of reset	mechanical spring
Type of actuation	electrical
Assembly position	Any
Grid dimension	20.5 mm
Sealing principle	soft
Nominal size	1.2 mm
Total leakage	< 0.4 l/h
Ambient temperature	-10 ... 60 °C
Medium temperature	-10 ... 60 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 60 % non-condensing
Pressure dew point	≤ -20 °C
Dimensions W x L x H	64 mm x 24 mm x 12 mm
Pneumatic connection, port 1	Flange
Pneumatic connection, port 2	Flange
Material seals	EPDM
Mounting type	with through hole
Operating pressure MPa	0 ... 0.6 MPa
Working pressure	0 ... 6 bar
Operating pressure	0 ... 87 psi
Nominal operating pressure	0.5 MPa
Nominal working pressure	5 bar
Nominal operating pressure (psi)	72.5 psi
Burst pressure	2.5 MPa
Bursting pressure	25 bar
Burst pressure	362.5 psi
Duty cycle	100 %
Standard nominal flow rate	50 ... 60 l/min
Information on standard nominal flow rate	Production-related tolerances
Product weight	10 g
Medium	Compressed air to ISO 8573-1:2010 [5:3:1] Inert gases Oxygen (oxygen applications according to IEC 60601-1 only on request)
Information on the medium	Lubricated operation not possible
Grade of filtration	≤ 5 µm
Special characteristics	Oxygen-compatible to DIN EN 1797
Protection class	IP40
Note on degree of protection	in assembled condition
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Operating voltage range DC	0 ... 300 V

Feature	Value
Nominal operating voltage DC	300 V
Max. current consumption	11 mA
Max. switching frequency	12 Hz
Max. electrical power consumption	0.1 W
Electrical connection	3-pin Plug Flexible circuit board connector, RM 2.5 mm
Material housing	PA-reinforced
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Oxygen suitability according to standard	ASTM G 63 ASTM G 93 ISO 15001