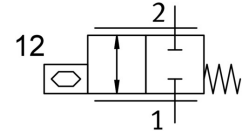



Piezo valve VEAE-BB-6-12-D9-X4

Part number: 8078916

FESTO



 General operating condition

Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Flow direction	Non-reversible
Type of control	Direct
Reset method	Mechanical spring
Actuation type	Electrical
Mounting position	Any
Width dimension	20.5 mm
Sealing principle	Soft
Nominal width	1.2 mm
Total leakage	<0.4 l/h
Symbol	00995952
Ambient temperature	-10 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Storage temperature	-20 °C ... 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 1	Flange
Pneumatic connection 2	Flange
Seals material	EPDM
Type of mounting	With through-hole
Operating pressure	0 MPa ... 0.6 MPa
Operating pressure	0 bar ... 6 bar
Operating pressure	0 psi ... 87 psi
Nominal operating pressure	0.5 MPa
Nominal operating pressure	5 bar
Nominal operating pressure	72.5 psi
Burst pressure	2.5 MPa
Burst pressure	25 bar
Burst pressure	362.5 psi
Duty cycle	100%
Standard nominal flow rate	50 l/min ... 60 l/min
Note on standard nominal flow rate	Production-related distribution
Product weight	10 g

Feature	Value
Medium	Compressed air as per ISO 8573-1:2010 [5:3:1] Inert gas Oxygen (oxygen applications according to IEC 60601-1 only on request)
Information on medium	Operation with oil lubrication not possible
Grade of filtration	≤5 µm
Special features	Oxygen-compatible as per DIN EN 1797
Degree of protection	IP40
Note on degree of protection	In mounted state
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
DC operating voltage range	0 V ... 300 V
Nominal operating voltage DC	300 V
Max. current consumption	0.011 A
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
Housing material	PA-reinforced
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Report surface cleanliness according to standard	ASTM G 63 ASTM G 93 ISO 15001
Biocompatibility according to standard	ISO 18562