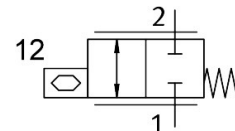


Piezo valve VEAE-BB-6-12-D9-X4

Part number: 8078916

FESTO



Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable
Flow direction	Non-reversible
Type of piloting	Direct
Type of reset	Mechanical spring
Type of actuation	Electric
Mounting position	optional
Grid dimension	20.5 mm
Sealing principle	Soft
Nominal size	1.2 mm
Total leakage	0.4 l/h
Ambient temperature	-10 °C...60 °C
Media temperature	-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 x 24 x 12 mm
Pneumatic connection, port 1	Flange
Pneumatic connection, port 2	Flange
Material seals	EPDM
Type of mounting	With through-hole
Operating pressure	0 MPa...0.6 MPa 0 bar...6 bar 0 psi...87 psi
Nominal operating pressure	0.5 MPa 5 bar 72.5 psi
Burst pressure	2.5 MPa 25 bar 362.5 psi
Duty cycle	100%
Standard nominal flow rate (standardised to DIN 1343)	50 l/min...60 l/min
Note on standard nominal flow rate	Production-related distribution

Feature	Value
Product weight	10 g
Medium	Compressed air as per ISO 8573-1:2010 [5:3:1] Inert gases Oxygen (oxygen applications to IEC 60601-1 only on request)
Note on the medium	Lubricated operation not possible
Grade of filtration	5 µm
Special characteristics	Oxygen-compatible to DIN EN 1797
Degree of protection	IP40
Note on degree of protection	In assembled state
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Corrosion resistance class CRC	2 - Moderate corrosion stress
Operational voltage range DC	0 V...300 V
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 Plugs Flexible circuit board connector, RM 2.5 mm
Material housing	PA-reinforced
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Oxygen suitability according to standard	ASTM G 63 ASTM G 93 ISO 15001
Biocompatibility according to standard	ISO 18562