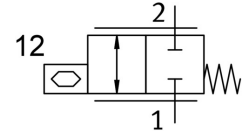



Piezo valve VEAE-BB-6-17-D22-X4

Part number: 8078917

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 | 1.7 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 ... 0.3 MPa |
| Operating pressure | 0 bar ... 3 bar |
| Operating pressure | 0 psi ... 43.5 psi |
| Nominal operating pressure | 0.3 MPa |
| Nominal operating pressure | 3 bar |
| Nominal operating pressure | 43.5 psi |
| Burst pressure | 2.5 MPa |
| Burst pressure | 25 bar |
| Burst pressure | 362.5 psi |
| Duty cycle | 100% |
| Standard nominal flow rate | 47 l/min ... 63 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 |