

Air solenoid valve VZWM-L-M22C-N12-F4

Part number: 546156

FESTO



 General operating condition

Data sheet

| Feature | Value |
|----------------------------------|--|
| Structural design | Diaphragm valve servo-controlled |
| Actuation type | Electrical |
| Sealing principle | Soft |
| Mounting position | Preferably upright |
| Type of mounting | Line installation |
| Fitting connection | 1/2 NPT |
| Electrical connection | Solenoid coil type MD-... , coil can be ordered as an accessory |
| Nominal width | 13.5 mm |
| Valve function | 2/2, closed, monostable |
| Flow direction | Non-reversible |
| Medium | Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Water Neutral liquids |
| Medium pressure of liquid media | 0.05 MPa ... 0.6 MPa |
| Medium pressure of liquid media | 0.5 bar ... 6 bar |
| Medium pressure of liquid media | 7.25 psi ... 87 psi |
| Medium pressure of gaseous media | 0.05 MPa ... 1 MPa |
| Medium pressure of gaseous media | 0.5 bar ... 10 bar |
| Medium pressure of gaseous media | 7.25 psi ... 145 psi |
| Burst pressure | 4 MPa |
| Burst pressure | 40 bar |
| Burst pressure | 580 psi |
| Overload pressure | 4 MPa |
| Overload pressure | 40 bar |
| Overload pressure | 580 psi |
| Pressure difference | 0.05 MPa |
| Differential pressure | 0.5 bar |
| Pressure difference | 7.25 psi |

| Feature | Value |
|---|--------------------------|
| Type of control | Pilot-controlled |
| Symbol | 00995681 |
| Max. viscosity | 22 mm ² /s |
| Temperature of medium | -10 °C ... 60 °C |
| Temperature of liquid media | 5 °C ... 50 °C |
| Ambient temperature | -10 °C ... 60 °C |
| Flow rate Kv | 2.4 m ³ /h |
| Normal nominal flow rate (normalized to DIN 1343) | 2400 l/min |
| On switching time | 8 ms |
| Response time "on" for liquid media | 110 ms |
| Switching time off | 10 ms |
| Response time "off" for liquid media | 220 ms |
| b-value | 0.37 |
| C value | 9.8 l/sbar |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Housing material | Brass |
| Material number of housing | 2.0402 |
| Seals material | NBR |
| Armature tube material | High-alloy steel |
| Product weight | 415 g |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Max. torque for cover screw | 20 Nm |
| Max. tightening torque for connecting thread | 105 Nm |
| Max. tightening torque for coil fastening | 0.5 Nm |