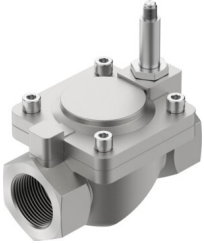


Air solenoid valve VZWM-L-M22C-G112-F5-R1

Part number: 546168

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 | G1 1/2 |
| Electrical connection | Solenoid coil type MH-... , coil can be ordered as an accessory |
| Nominal width | 40 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 | 0.07 MPa ... 0.6 MPa |
| Medium pressure of liquid media | 0.7 bar ... 6 bar |
| Medium pressure of liquid media | 10.15 psi ... 87 psi |
| Medium pressure of gaseous media | 0.07 MPa ... 1 MPa |
| Medium pressure of gaseous media | 0.7 bar ... 10 bar |
| Medium pressure of gaseous media | 10.15 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 | 0.07 MPa |
| Differential pressure | 0.7 bar |
| Pressure difference | 10.15 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 | 27.4 m ³ /h |
| Normal nominal flow rate (normalized to DIN 1343) | 26400 l/min |
| On switching time | 26 ms |
| Response time "on" for liquid media | 1400 ms |
| Switching time off | 20 ms |
| Response time "off" for liquid media | 2000 ms |
| b-value | 0.67 |
| C value | 82 l/sbar |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Housing material | Cast stainless steel |
| Material number of housing | 1.4581 |
| Seals material | NBR |
| Armature tube material | High-alloy steel |
| Product weight | 2400 g |
| CE marking (see declaration of conformity) | as per EU pressure equipment directive |
| UKCA marking (see declaration of conformity) | according to UK regulations for pressure equipment |
| Corrosion resistance class (CRC) | 3 - High corrosion stress |
| Max. torque for cover screw | 30 Nm |
| Max. tightening torque for connecting thread | 540 Nm |
| Max. tightening torque for coil fastening | 2 Nm |