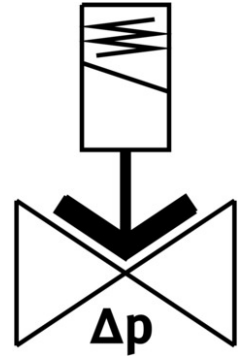



Air solenoid valve VZWM-L-M22C-G1-F5-R1

Part number: 546166

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 |
| Electrical connection | Solenoid coil type MH-... , coil can be ordered as an accessory |
| Nominal width | 25 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 | 0.5 bar ... 6 bar |
| Medium pressure of gaseous media | 0.5 bar ... 10 bar |
| Differential pressure | 0.5 bar |
| 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 | 10.7 m ³ /h |
| Standard nominal flow rate | 11700 l/min |
| On switching time | 15 ms |
| Response time "on" for liquid media | 300 ms |
| Switching time off | 12 ms |
| Response time "off" for liquid media | 950 ms |

| Feature | Value |
|--|--|
| b-value | 0.57 |
| C value | 41 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 | 1100 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 | 350 Nm |
| Max. tightening torque for coil fastening | 2 Nm |