

Solenoid valve

VZWD-L-M22C-M-G14-10-V-2AP4-90-R1

FESTO

Part number: 1491934



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|----------------------------------|--|
| Design | Directly actuated poppet valve |
| Type of actuation | Electric |
| Sealing principle | Soft |
| Mounting position | optional |
| Type of mounting | In-line installation |
| Connection Process valve | G1/4 |
| Electrical connection | Type A Plugs To EN 175301-803 Square design |
| Nominal size | 1 mm |
| Valve function | 2/2-way, closed, monostable |
| Manual override | None |
| Flow direction | Non-reversible |
| Medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Mineral oil Water Neutral fluids Other media on request |
| Nominal pressure PN | 100 |
| Pressure difference | 0 MPa |
| Pressure difference | 0 bar |
| Pressure difference | 0 psi |
| Characteristic coil data | 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA |
| Insulation material class | F |
| Permissible voltage fluctuations | +/- 10 % |
| Duty cycle | 100% |
| Type of reset | Mechanical spring |
| Type of piloting | Direct |
| Symbol | 00992979 |
| Medium pressure | 0 MPa ... 9 MPa |

| Feature | Value |
|---|--|
| Medium pressure | 0 bar ... 90 bar |
| Medium pressure | 0 psi ... 1305 psi |
| Max. viscosity | 22 mm ² /s |
| Media temperature | -10 °C ... 80 °C |
| Ambient temperature | -10 °C ... 35 °C |
| Leakage rate to EN 12266-1 | A |
| Flow rate Kv | 0.06 m ³ /h |
| Standard nominal flow rate (standardised to DIN 1343) | 60 l/min |
| Switching time on | 20 ms |
| Switching time off | 18 ms |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Material housing | High-alloy stainless steel |
| Material number housing | 1.4305 |
| Material seals | FPM |
| Material plunger tube | High-alloy steel |
| Product weight | 650 g |
| CE mark (see declaration of conformity) | To EU Low Voltage Directive |
| UKCA marking (see declaration of conformity) | To UK regulations for electrical equipment |
| Degree of protection | IP65 |
| Corrosion resistance class CRC | 3 - high corrosion stress |
| Max. tightening torque for connecting thread | 35 Nm |
| Max. tightening torque for coil fastening | 2 Nm |