

Solenoid valve

VZWD-L-M22C-M-G18-25-V-1P4-22

Part number: 1491835

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|----------------------------------|--|
| Design | Directly actuated poppet valve |
| Type of actuation | Electrical |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of mounting | Inline installation |
| Connection Process valve | G1/8 |
| Electrical connection | Plug To EN 175301-803 Square design |
| Nominal size | 2.5 mm |
| Valve function | 2/2-way, single solenoid, closed |
| 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 | 24 V DC: 11.0 W |
| Insulation material class | H |
| Permissible voltage fluctuations | +/-10% |
| Duty cycle | 100% |
| Type of reset | Mechanical spring |
| Type of piloting | Direct |
| Symbol | 00992979 |
| Medium pressure | 0 MPa ... 2.2 MPa |

| Feature | Value |
|---|--------------------------|
| Medium pressure | 0 bar ... 22 bar |
| Medium pressure | 0 psi ... 319 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 | 0.16 m ³ /h |
| Standard nominal flow rate (standardised to DIN 1343) | 170 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 | Cast brass |
| Material number housing | CW617N |
| Material seals | Fluoro rubber |
| Material plunger tube | High-alloy steel |
| Product weight | 550 g |
| Degree of protection | IP65 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| Max. tightening torque for connecting thread | 10 Nm |
| Max. tightening torque for coil fastening | 2 Nm |