

solenoid valve

VZWD-L-M22C-M-N14-10-V-3AP4-90-R1

Part number: 1492090

FESTO

Directly actuated, NPT1/4" connection.



Data sheet

| Feature | Value |
|---|---|
| Design structure | Directly actuated poppet valve |
| Type of actuation | electrical |
| Sealing principle | soft |
| Assembly position | Any |
| Mounting type | Line installation |
| Process valve connection | 1/4 NPT |
| Electrical connection | Plug pattern type A to EN 175301-803 Plug to EN 175301-803 Cubic design |
| Nominal size | 1 mm |
| Valve function | 2/2 closed, monostable |
| Manual override | None |
| Flow direction | non reversible |
| Medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Mineral oil Water Neutral fluids Other media on request |
| Nominal pressure of process valve | 100 |
| Differential pressure (MPa) | 0 MPa |
| Differential pressure | 0 bar |
| Differential pressure (psi) | 0 psi |
| Characteristic coil data | 230 V AC: 50/60 Hz, pick-up power 18 VA, holding power 15 VA |
| Insulation class | F |
| Permissible voltage fluctuation | +/- 10 % |
| Duty cycle | 100 % |
| Type of reset | mechanical spring |
| Type of piloting | direct |
| Pressure of medium | 0 ... 9 MPa |
| Medium pressure | 0 ... 90 bar |
| Pressure of medium psi | 0 ... 1,305 psi |
| Max. viscosity | 22 mm ² /s |
| Medium temperature | -10 ... 80 °C |
| Ambient temperature | -10 ... 35 °C |
| Leak rate in accordance with EN 12266-1 | A |
| Flow rate Kv | 0.06 m ³ /h |
| Standard nominal flow rate | 60 l/min |
| Switching time on | 20 ms |
| Switching time off | 18 ms |
| Materials note | Conforms to RoHS |
| PWIS conformity | VDMA24364 zone III |
| Material housing | High alloy steel, non-corrosive |

| Feature | Value |
|--|---|
| Material number for housing | 1.4305 |
| Material seals | FPM |
| Product weight | 650 g |
| CE mark (see declaration of conformity) | to EU directive low-voltage devices |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| Protection class | IP65 |
| Corrosion resistance classification CRC | 3 - High corrosion stress |