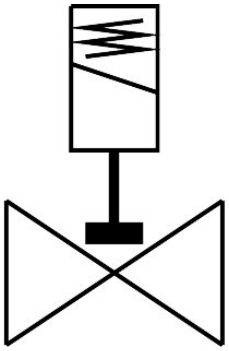
# Solenoid valve
# VZWD-L-M22C-M-G18-60-V-3AP4-4-R1

Part number: 1492011



## 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 | Type A<br>Plug<br>To EN 175301-803<br>Square design |
| Nominal size | 6 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]<br>Inert gases<br>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure PN | 100 |
| Pressure difference | 0 MPa<br>0 bar<br>0 psi |
| Characteristic coil data | 230 V AC: 50/60 Hz, pick-up power 18.0 VA, holding power 15.0 VA |
| Insulation material class | F |
| Permissible voltage fluctuations | +/-10% |
| Duty cycle | 100% |
| Type of reset | Mechanical spring |

| Feature | Value |
|---|---|
| Type of piloting | Direct |
| Medium pressure | 0 MPa...0.4 MPa<br>0 bar...4 bar<br>0 psi...58 psi |
| Max. viscosity | 22 mm²/s |
| Media temperature | -10 °C...80 °C |
| Ambient temperature | -10 °C...35 °C |
| Leakage rate to EN 12266-1 | A |
| Flow rate Kv | 0.4 m³/h |
| Standard nominal flow rate (standardised to DIN 1343) | 430 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 | Fluoro rubber |
| Material plunger tube | High-alloy steel |
| Product weight | 500 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 | 10 Nm |
| Max. tightening torque for coil fastening | 2 Nm |