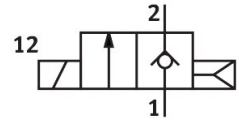


Air solenoid valve MHJ9-MF/LP

Part number: 8084233

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Valve function | 2/2, closed, monostable |
| Actuation type | Electrical |
| Width | 9 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 100 l/min |
| Pneumatic working port | Sub-base |
| Operating voltage | 24V DC |
| Operating pressure | 0.05 MPa ... 0.4 MPa |
| Operating pressure | 0.5 bar ... 4 bar |
| Operating pressure | 7.25 psi ... 58 psi |
| Structural design | Poppet valve without return spring |
| Reset method | Pneumatic spring |
| Degree of protection | IP40 |
| Width dimension | 9.5 mm |
| Information on operation | Do not operate without flow. For block assembly with flow rate at max. ambient temperature 45 °C. |
| Sealing principle | Hard |
| Mounting position | Any |
| Manual override | None |
| Type of control | Direct |
| Flow direction | Non-reversible |
| Symbol | 00992259 |
| b-value | 0.38 |
| C value | 0.4 l/sbar |
| Max. switching frequency | 1000 Hz |
| Switching time on at 4 bar and 24 V in new condition | 0.8 ms |
| Switching time off at 4 bar and 24 V in new condition | 0.5 ms |
| Switching time on at 4 bar and 48 V in new condition | 0.6 ms |
| Switching time off at 4 bar and 48 V in new condition | 0.4 ms |
| Switching time on at 4 bar and 12 V in new condition | 1.1 ms |
| Switching time off at 4 bar and 12 V in new condition | 0.4 ms |
| Switching time on at 0.5 bar and 24 V in new condition | 0.7 ms |
| Switching time off at 0.5 bar and 24 V in new condition | 0.5 ms |
| Tolerance for switching time off | +15 %/-25 % |
| Tolerance for ON switching time | +/-15 % |
| DC operating voltage range | 12 V ... 53 V |
| Duty cycle | 100% |

| Feature | Value |
|---|--|
| Note regarding operating voltage | Operation only with connecting cable MHJ9-KMH... |
| Coil resistance | 2.5 Ohm |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible |
| Restricted ambient and media temperature | Depending on the switching frequency (see diagram) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Storage temperature | -20 °C ... 50 °C |
| Permissible solenoid surface temperature | 120 °C |
| Temperature of medium | -5 °C ... 60 °C |
| Ambient temperature | -5 °C ... 60 °C |
| Max. tightening torque for valve mounting | 0.28 Nm |
| Product weight | 25 g |
| Electrical connection | KMH plug |
| Type of mounting | On sub-base |
| Pneumatic connection 1 | Sub-base |
| Pneumatic connection 2 | Sub-base |
| Note on materials | RoHS-compliant |
| Seals material | HNBR |
| Housing material | PA-reinforced |
| Material of screws | Steel |