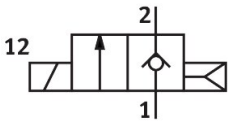
# Air solenoid valve
# MHJ9-LF

Part number: 572078






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2/2-way, closed, monostable |
| Actuation type | Electrical |
| Width | 9 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 50 l/min |
| Pneumatic working port | Sub-base |
| Operating voltage | 24V DC |
| Operating pressure | 0.05 MPa...0.8 MPa<br>0.5 bar...8 bar<br>7.25 psi...116 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.<br>For block assembly with flow rate at max. ambient temperature 45 °C. |
| Sealing principle | Hard |
| Mounting position | Any |
| Manual override | None |
| Type of control | directly |
| Flow direction | Non-reversible |
| b-value | 0.5 |
| C value | 0.2 l/sbar |
| Max. switching frequency | 500 Hz |
| Switching time on at 4 bar and 24 V in new condition | 0.7 ms |
| Switching time off at 4 bar and 24 V in new condition | 0.9 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 | 0.8 ms |
| Switching time on at 4 bar and 12 V in new condition | 1 ms |
| Switching time off at 4 bar and 12 V in new condition | 0.9 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 | 0.9 ms |
| Switching time on at 6 bar and 24 V in new condition | 0.75 ms |

| Feature | Value |
|---|---|
| Switching time off at 6 bar and 24 V in new condition | 0.9 ms |
| Switching time on at 8 bar and 24 V in new condition | 0.8 ms |
| Switching time off at 8 bar and 24 V in new condition | 0.9 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% |
| 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 not 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 | 2-pin<br>Plug KMH |
| 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 |