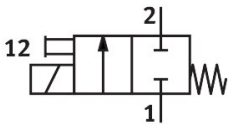
# Air solenoid valve
# MHA1-M4H-2/2G-0,9-TC

Part number: 197039




## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2/2-way, closed, monostable |
| Actuation type | Electrical |
| Width | 10 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 14 l/min |
| Pneumatic working port | Sub-base |
| Operating voltage | 5V DC |
| Operating pressure | -0.09 MPa...0.2 MPa<br>-0.9 bar...2 bar<br>-13.05 psi...29 psi |
| Structural design | Poppet valve with spring return |
| Reset method | Mechanical spring |
| Degree of protection | IP40 |
| Certification | c UL us - recognized (OL) |
| Certificate issuing authority | UL MH19482 |
| Nominal width | 0.9 mm |
| Width dimension | 10 mm |
| Exhaust air function | Cannot be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of control | directly |
| Flow direction | Non-reversible |
| Valve position ID | Label |
| Lap | Negative overlap |
| Note on forced dynamization | Switching frequency at least once a week |
| Suitability for vacuum | Yes |
| Max. switching frequency | 20 Hz |
| Switching time off | 5 ms |
| On switching time | 4 ms |
| Duty cycle | 100% |
| Electrical power consumption | 1 W |
| Coil characteristics | 5 V DC: 1.0 W |

| Feature | Value |
|---|---|
| Permissible voltage fluctuations | +/- 10% |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Vibration resistance | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Storage temperature | -20 °C...60 °C |
| Temperature of medium | -5 °C...40 °C |
| Ambient temperature | -5 °C...40 °C |
| Product weight | 10 g |
| Electrical connection | Plug |
| Type of mounting | On sub-base<br>With through-hole |
| Pneumatic connection 1 | Sub-base |
| Pneumatic connection 2 | Sub-base |
| Note on materials | RoHS compliant |
| Seals material | FPM<br>HNBR<br>NBR |
| Housing material | PA-reinforced<br>PPS-reinforced |