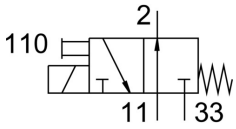
# Air solenoid valve
# MHP1-M1H-3/2O-M3-PI

Part number: 197035




## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2, open, monostable |
| Actuation type | Electrical |
| Width | 10 mm |
| Standard nominal flow rate | 10 l/min |
| Pneumatic working port | M3 |
| Operating voltage | 24V DC |
| Operating pressure | 0 bar ... 6 bar |
| Structural design | Poppet valve with return spring |
| Reset method | Mechanical spring |
| Degree of protection | IP40 |
| Certification | c UL us - Recognized (OL) |
| Certificate issuing authority | UL MH19482 |
| Nominal width | 0.7 mm |
| Width dimension | 10 mm |
| Exhaust air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of control | Direct |
| Flow direction | Non-reversible |
| Symbol | 00991322 |
| Valve position ID | Label |
| Lap | Underlap |
| Note on forced dynamization | Switching frequency at least once a week |
| Max. switching frequency | 20 Hz |
| Switching time off | 4 ms |
| On switching time | 4 ms |
| Duty cycle | 100% |
| Electrical power consumption | 1 W |
| Max. positive test pulse with 0 signal | 500 µs |
| Max. negative test pulse on 1 signal | 400 µs |
| Coil characteristics | 24 V DC: 1.0 W |
| 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) |

| Feature | Value |
|---|---|
| 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 |
| 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 11 | Sub-base |
| Pneumatic connection 2 | M3 |
| Pneumatic connection 33 | Sub-base |
| Note on materials | Free of copper and PTFE<br>RoHS-compliant |
| Seals material | FPM<br>HNBR<br>NBR |
| Housing material | PA-reinforced<br>PPS-reinforced |