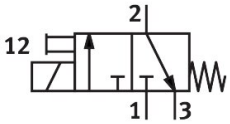
# Air solenoid valve
# MHP4-M1H-3/2G-1/4

Part number: 525178






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2-way, closed, monostable |
| Actuation type | Electrical |
| Width | 18 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 400 l/min |
| Pneumatic working port | G1/4 |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...0.8 MPa<br>-0.9 bar...8 bar<br>-13.05 psi...116 psi |
| Structural design | Pressure relief poppet valve |
| Reset method | Mechanical spring |
| Degree of protection | IP65 |
| Certification | c UL us - recognized (OL) |
| Nominal width | 4 mm |
| Width dimension | 24 mm |
| Note on grid dimension | Minimum distance between the valves is 6 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of control | directly |
| Flow direction | Reversible with restrictions |
| Lap | Negative overlap |
| Operating pressure, reversible | -0.09 MPa...0.1 MPa<br>-0.9 bar...1 bar<br>-13.05 psi...14.5 psi |
| Max. switching frequency | 120 Hz |
| Switching time off | 5 ms |
| On switching time | 10.5 ms |
| Duty cycle | 100% |
| Coil characteristics | 24 V DC: 5.6 W |
| Permissible voltage fluctuations | +/- 10% |

| Feature | Value |
|---|---|
| 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-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Temperature of medium | -5 °C...40 °C |
| Ambient temperature | -5 °C...40 °C |
| Product weight | 270 g |
| Electrical connection | 2-pin<br>Plug |
| Type of mounting | On PR manifold rail |
| Pneumatic connection 1 | Sub-base |
| Pneumatic connection 2 | G1/4 |
| Pneumatic connection 3 | Sub-base |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Die-cast zinc, coated |
| Material of screws | Galvanized steel |