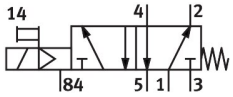
# Solenoid valve
# MVH-5-1/4-B

Part number: 19701






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, single solenoid |
| Type of actuation | Electrical |
| Construction width | 32 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1300 l/min |
| pneumatic working port | G1/4 |
| Operating pressure | 0.2 MPa...1 MPa<br>2 bar...10 bar |
| Design | Poppet seat |
| Type of reset | Mechanical spring |
| Nominal size | 7 mm |
| Grid dimension | 33 mm |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| lap | Underlap |
| b value | 0.29 |
| C value | 5.5 l/sbar |
| Max. switching frequency | 3 Hz |
| Switching time off | 36 ms |
| Switching time on | 15 ms |
| Max. positive test pulse with 0 signal | 2200 µs |
| Max. negative test pulse with 1 signal | 3700 µs |
| Characteristic coil data | 24 V DC: 2.5 W |
| Permissible voltage fluctuations | +/-10% |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |

| Feature | Value |
|---|---|
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -40 °C...60 °C |
| Media temperature | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 360 g |
| Type of mounting | Either:<br>On PR rail<br>With through-hole |
| Pilot exhaust port 84 | M5 |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | G1/4 |
| Pneumatic connection, port 3 | G1/4 |
| Pneumatic connection, port 4 | G1/4 |
| Pneumatic connection, port 5 | G1/4 |
| Note on materials | RoHS compliant |
| Material seals | NBR<br>TPE-U(PU) |
| Material housing | Die-cast aluminium |