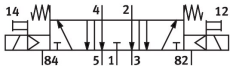
# Air solenoid valve
# MVH-5/3E-1/4-B

Part number: 19139






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3 exhausted |
| Actuation type | Electrical |
| Width | 32 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 l/min |
| Pneumatic working port | G1/4 |
| Operating pressure | 0.3 MPa...1 MPa<br>3 bar...10 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Nominal width | 10 mm |
| Width dimension | 33 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| b-value | 0.38 |
| C value | 6.35 l/sbar |
| Max. switching frequency | 3 Hz |
| Switching time off | 38 ms |
| On switching time | 36 ms |
| Changeover time | 46 ms |
| Max. positive test pulse with 0 signal | 2200 µs |
| Max. negative test pulse on 1 signal | 3700 µs |
| Coil characteristics | 24 V DC: 2.5 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) |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |

| Feature | Value |
|---|---|
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -40 °C...60 °C |
| Temperature of medium | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 660 g |
| Type of mounting | Alternatively:<br>On PR manifold rail<br>With through-hole |
| Pilot exhaust air port 82 | M5 |
| Pilot exhaust air port 84 | M5 |
| Pilot air port 12 | G1/8 |
| Pilot air port 14 | G1/8 |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | G1/4 |
| Pneumatic connection 3 | G1/4 |
| Pneumatic connection 4 | G1/4 |
| Pneumatic connection 5 | G1/4 |
| Note on materials | RoHS compliant |
| Seals material | NBR |
| Housing material | Die-cast aluminum |