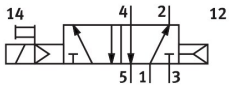
# Solenoid valve
# MFH-5/2-D-1-C

Part number: 150981






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, single solenoid |
| Type of actuation | Electrical |
| Construction width | 42 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min |
| pneumatic working port | Sub-base size 1 to ISO 5599-1<br>G1/4 |
| Operating voltage | Via solenoid coil, must be ordered separately |
| Operating pressure | 0.2 MPa...1 MPa<br>2 bar...10 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Approval | c UL us - Recognised (Oil) |
| Certificate issuing authority | UL MH19482 |
| Degree of protection | IP65 |
| Nominal size | 8 mm |
| Grid dimension | 43 mm |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Detenting via accessory<br>Non-detenting |
| ISO code | 151 |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| lap | Overlap |
| Suitability for vacuum | No |
| Switching time off | 35 ms |
| Switching time on | 23 ms |
| Max. positive test pulse with 0 signal | 2200 µs |
| Max. negative test pulse with 1 signal | 3700 µs |

| Feature | Value |
|---|---|
| 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) |
| Vibration resistance | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -10 °C...60 °C |
| Sound pressure level | 85 dB(A) |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...40 °C |
| Product weight | 390 g |
| Electrical connection | 3-pin<br>Type A, with VACF-A coil<br>Type B industry (11 mm), with MSF coil<br>Via solenoid coil, to be ordered separately |
| Type of mounting | On sub-base<br>With through-hole |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | Sub-base size 1 to ISO 5599-1 |
| Pilot air port 14 | Sub-base size 1 to ISO 5599-1 |
| Pneumatic connection, port 1 | Sub-base size 1 to ISO 5599-1 |
| Pneumatic connection, port 2 | Sub-base size 1 to ISO 5599-1 |
| Pneumatic connection, port 3 | Sub-base size 1 to ISO 5599-1 |
| Pneumatic connection, port 4 | Sub-base size 1 to ISO 5599-1 |
| Pneumatic connection, port 5 | Sub-base size 1 to ISO 5599-1 |
| Note on materials | RoHS compliant |
| Material seals | HNBR<br>NBR |
| Material housing | Die-cast aluminium |