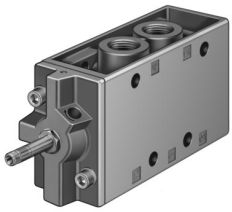
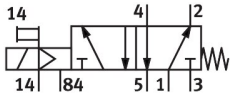
# Air solenoid valve
# MFH-5-1/2-S

Part number: 35547






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, monostable |
| Actuation type | Electrical |
| Width | 52 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 3700 l/min |
| Pneumatic working port | G1/2 |
| Operating voltage | Via solenoid coil, to be ordered separately |
| Operating pressure | 0 MPa...0.8 MPa<br>0 bar...8 bar |
| Structural design | Plate seat |
| Reset method | Mechanical spring |
| Certification | c UL us - recognized (OL) |
| Degree of protection | IP65 |
| Nominal width | 14 mm |
| Width dimension | 69 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting |
| Type of control | Piloted |
| Pilot air supply port | External |
| Flow direction | Non-reversible |
| Lap | Negative overlap |
| Pilot pressure MPa | 0.15 MPa...0.8 MPa |
| Pilot pressure | 1.5 bar...8 bar |
| b-value | 0.32 |
| Switching time off | 150 ms |
| On switching time | 21 ms |
| Max. positive test pulse with 0 signal | 2200 µs |
| Max. negative test pulse on 1 signal | 3700 µs |
| Coil characteristics | See solenoid coil, to be ordered separately |
| 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 |
|---|---|
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C...60 °C |
| Temperature of medium | -10 °C...60 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...40 °C |
| Product weight | 1135 g |
| Electrical connection | Via F coil, to be ordered separately |
| Type of mounting | Alternatively:<br>On terminal strip<br>With through-hole |
| Pilot exhaust air port 84 | M5 |
| Pilot air port 14 | G1/8 |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |
| Pneumatic connection 3 | G1/2 |
| Pneumatic connection 4 | G1/2 |
| Pneumatic connection 5 | G1/2 |
| Note on materials | RoHS compliant |
| Seals material | NBR<br>TPE-U(PU) |
| Housing material | Die-cast aluminum |