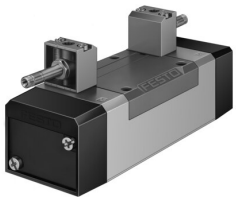
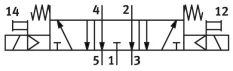
# Air solenoid valve
# MFH-5/3E-D-3-C

Part number: 151874






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3 exhausted |
| Actuation type | Electrical |
| Width | 65 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 4600 l/min |
| Pneumatic working port | Sub-base, size 3 as per ISO 5599-1<br>G1/2 |
| Operating voltage | Via solenoid coil, to be ordered separately |
| Operating pressure | 0.3 MPa...1 MPa<br>3 bar...10 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Certification | c UL us - recognized (OL) |
| Maritime classification | See certificate |
| Certificate issuing authority | DNV-TAA000032X<br>UL MH19482 |
| Degree of protection | IP65 |
| Nominal width | 14.5 mm |
| Width dimension | 71 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Detenting via accessory<br>Non-detenting |
| ISO code | 357 |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Suitability for vacuum | No |
| Switching time off | 78 ms |
| On switching time | 37 ms |

| Feature | Value |
|---|---|
| Max. positive test pulse with 0 signal | 2200 µs |
| Max. negative test pulse on 1 signal | 3700 µs |
| 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 1 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 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -10 °C...60 °C |
| Noise level | 85 dB(A) |
| Ambient temperature | -5 °C...40 °C |
| Product weight | 1040 g |
| Electrical connection | 3-pin<br>Form A, with VACF-A Coil<br>Form 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 and screw |
| Pilot exhaust air port 82 | M5 |
| Pilot exhaust air port 84 | M5 |
| Pneumatic connection 1 | Sub-base, size 3 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 3 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 3 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 3 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 3 as per ISO 5599-1 |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Die-cast aluminum |