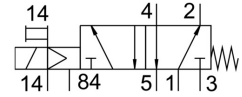


Air solenoid valve MFH-5-1/8-S-NPT

Part number: 12617

FESTO



Data sheet

| Feature | Value |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function | 5/2, monostable |
| Actuation type | Electrical |
| Width | 26 mm |
| Standard nominal flow rate | 500 l/min |
| Pneumatic working port | 1/8 NPT |
| Operating voltage | Via solenoid coil, to be ordered separately |
| Operating pressure | 0 MPa ... 1 MPa |
| Operating pressure | 0 bar ... 10 bar |
| Structural design | Plate seat |
| Reset method | Mechanical spring |
| Certification | c UL us - Recognized (OL) |
| Degree of protection | IP65 |
| Nominal width | 5 mm |
| Width dimension | 27 mm |
| Type code | MFH |
| Exhaust air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of control | Pilot-controlled |
| Pilot air supply port | External |
| Flow direction | Non-reversible |
| Symbol | 00991024 |
| Lap | Underlap |
| Pilot pressure MPa | 0.12 MPa ... 0.8 MPa |
| Pilot pressure | 1.2 bar ... 8 bar |
| Switching time off | 36 ms |
| On switching time | 8 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) |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| 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] |

| Feature | Value |
|---------------------------|-------------------------------------------------------|
| Ambient temperature | -5 °C ... 40 °C |
| Product weight | 270 g |
| Electrical connection | Via F coil, to be ordered separately |
| Type of mounting | Optionally: On terminal strip With through-hole |
| Pilot exhaust air port 84 | M5 |
| Pilot air port 12 | 1/8 NPT |
| Pilot air port 14 | 10-32 UNF-2B |
| Pneumatic connection 1 | 1/8 NPT |
| Pneumatic connection 2 | 1/8 NPT |
| Pneumatic connection 3 | 1/8 NPT |
| Pneumatic connection 4 | 1/8 NPT |
| Pneumatic connection 5 | 1/8 NPT |
| Note on materials | RoHS-compliant |
| Seals material | NBR TPE-U(PU) |
| Housing material | Die-cast aluminum |