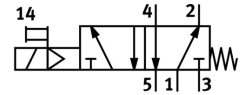
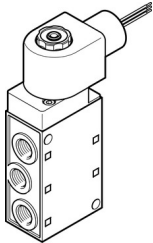


# Air solenoid valve MFH-5-1/4-24-EX

Part number: 541661

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2, closed, monostable  |
| Actuation type                                    | Electrical   |
| Width   | 73 mm  |
| Standard nominal flow rate                        | 1000 l/min   |
| Pneumatic working port                            | G1/4   |
| Operating voltage                                 | 24V DC   |
| Operating pressure                                | 0.22 MPa ... 0.8 MPa   |
| Operating pressure                                | 2.2 bar ... 8 bar  |
| Reset method                                      | Mechanical spring  |
| Explosion protection certification outside the EU | Class I, Div. 1 (US)<br>Class I, Div. 2 (US)<br>Class II, Div. 1 (US)<br>Class II, Div. 2 (US)<br>Class III, Div. 1 (US)<br>Class III, Div. 2 (US)<br>EPL Gb (US)<br>EPL Gc (US) |
| Certificate issuing authority                     | FM 3026030   |
| Degree of protection                              | IP65   |
| Nominal width                                     | 7 mm   |
| Exhaust air function                              | With flow control option   |
| Sealing principle                                 | Soft   |
| Mounting position                                 | Any  |
| Manual override                                   | Detenting  |
| Type of control                                   | Pilot-controlled   |
| Flow direction                                    | Non-reversible   |
| Symbol  | 00991003   |
| Lap   | Underlap   |
| Switching time off                                | 29 ms  |
| On switching time                                 | 10 ms  |
| Coil characteristics                              | 24 V DC: 4.6 W   |
| Explosion prevention and protection               | Class I, Div. 1 (US)<br>Class I, Div. 2 (US)<br>Class II, Div. 1 (US)<br>Class II, Div. 2 (US)<br>Class III, Div. 1 (US)<br>Class III, Div. 2 (US)<br>Zone 1 (US)<br>Zone 2 (US) |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]  |

| Feature                                  | Value  |
|--|--|
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress   |
| Temperature of medium                    | -5 °C ... 40 °C  |
| Ambient temperature                      | -5 °C ... 40 °C  |
| Product weight                           | 450 g  |
| Type of mounting                         | With through-hole  |
| Venting hole connection                  | Internal   |
| Pilot exhaust air port 84                | M5   |
| 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   |
| Seals material                           | NBR<br>PU  |
| Housing material                         | Die-cast aluminum<br>Anodized                                      |