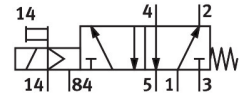
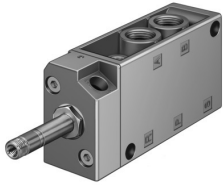


# Solenoid valve MFH-5-1/4-S-NPT

Part number: 12618

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 5/2-way, monostable                           |
| Type of actuation                                     | Electric                                      |
| Construction width                                    | 30.5 mm                                       |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min                                    |
| pneumatic working port                                | 1/4 NPT                                       |
| Operating voltage                                     | Via solenoid coil, must be ordered separately |
| Operating pressure                                    | 0 MPa...0.8 MPa<br>0 bar...8 bar              |
| Design  | Poppet seat                                   |
| Type of reset   | Mechanical spring                             |
| Approval  | c UL us - Recognized (OL)                     |
| Degree of protection                                  | IP65  |
| Nominal size  | 7 mm  |
| Grid dimension  | 32 mm   |
| Exhaust-air function                                  | With flow control option                      |
| Sealing principle                                     | Soft  |
| Mounting position                                     | optional                                      |
| Manual override                                       | Detenting                                     |
| Type of piloting                                      | Pilot actuated                                |
| Pilot air supply                                      | External                                      |
| Flow direction  | Non-reversible                                |
| lap   | Underlap                                      |
| Pilot pressure  | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar         |
| b value   | 0.19  |
| C value   | 4.49 l/sbar                                   |
| Switching time off                                    | 29 ms   |
| Switching time on                                     | 9 ms  |
| Max. positive test pulse with 0 signal                | 2200 µs                                       |
| Max. negative test pulse with 1 signal                | 3700 µs                                       |
| Characteristic coil data                              | See solenoid coil, to be ordered separately   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]     |

| Feature                            | Value  |
|------------------------------------|--|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC     | 1 - Low corrosion stress   |
| LABS (PWIS) conformity             | VDMA24364-B2-L   |
| Storage temperature                | -20 °C...60 °C   |
| Media temperature                  | -10 °C...60 °C   |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                | -5 °C...40 °C  |
| Product weight                     | 290 g  |
| Electrical connection              | Via F coil, to be ordered separately   |
| Type of mounting                   | On manifold rail<br>With through-hole<br>Either:   |
| Pilot exhaust port 84              | M5   |
| Pilot air port 14                  | 10-32 UNF-2B   |
| Pneumatic connection, port 1       | 1/4 NPT  |
| Pneumatic connection, port 2       | 1/4 NPT  |
| Pneumatic connection, port 3       | 1/4 NPT  |
| Pneumatic connection, port 4       | 1/4 NPT  |
| Pneumatic connection, port 5       | 1/4 NPT  |
| Note on materials                  | RoHS-compliant   |
| Material seals                     | NBR<br>TPE-U(PU)   |
| Material housing                   | Die-cast aluminium   |