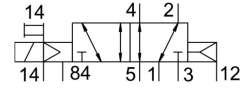
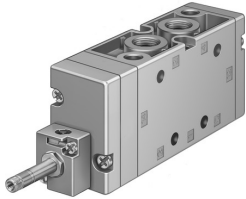


# Air solenoid valve MFH-5-3/8-L-S-B

Part number: 33181

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/2, monostable  |
| Actuation type                           | Electrical   |
| Width                                    | 40 mm  |
| Standard nominal flow rate               | 2000 l/min   |
| Pneumatic working port                   | G3/8   |
| Operating pressure                       | -0.09 MPa ... 1 MPa  |
| Operating pressure                       | -0.9 bar ... 10 bar  |
| Structural design                        | Piston gate valve  |
| Reset method                             | Pneumatic spring   |
| Nominal width                            | 12 mm  |
| Width dimension                          | 41 mm  |
| Type code                                | MFH  |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Manual override                          | Non-detenting  |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | External   |
| Flow direction                           | Reversible   |
| Symbol                                   | 00991026   |
| Lap                                      | Overlap  |
| Pilot pressure MPa                       | 0.2 MPa ... 1 MPa  |
| Pilot pressure                           | 2 bar ... 10 bar   |
| Max. switching frequency                 | 3 Hz   |
| Switching time off                       | 65 ms  |
| On switching time                        | 27 ms  |
| 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) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress   |
| Storage temperature                      | -40 °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                           | 630 g  |

| <b>Feature</b>            | <b>Value</b>                                   |
|---------------------------|--|
| Electrical connection     | Via F coil, to be ordered separately           |
| Type of mounting          | Optionally:<br>On PR rail<br>With through-hole |
| Pilot exhaust air port 84 | M5   |
| Pilot air port 12         | G1/8   |
| Pilot air port 14         | G1/8   |
| Pneumatic connection 1    | G3/8   |
| Pneumatic connection 2    | G3/8   |
| Pneumatic connection 3    | G3/8   |
| Pneumatic connection 4    | G3/8   |
| Pneumatic connection 5    | G3/8   |
| Note on materials         | RoHS-compliant                                 |
| Seals material            | NBR  |
| Housing material          | Die-cast aluminum                              |