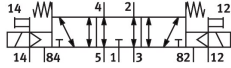
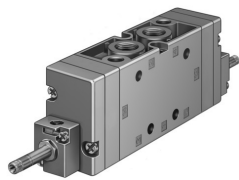


# Air solenoid valve

## MFH-5/3E-3/8-S-B

Part number: 31318

FESTO



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 5/3, exhausted                                                     |
| Actuation type                                    | Electrical                                                         |
| Width                                             | 40 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 2200 l/min                                                         |
| Pneumatic working port                            | G3/8                                                               |
| Operating pressure                                | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar                             |
| Structural design                                 | Piston gate valve                                                  |
| Reset method                                      | Mechanical spring                                                  |
| Nominal width                                     | 12 mm                                                              |
| Width dimension                                   | 41 mm                                                              |
| 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                                                         |
| Lap                                               | Overlap                                                            |
| Pilot pressure MPa                                | 0.3 MPa...1 MPa                                                    |
| Pilot pressure                                    | 3 bar...10 bar                                                     |
| Max. switching frequency                          | 3 Hz                                                               |
| Switching time off                                | 114 ms                                                             |
| On switching time                                 | 26 ms                                                              |
| Changeover time                                   | 83 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                                           |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                  |
| Storage temperature                               | -40 °C...60 °C                                                     |

| Feature                   | Value                                          |
|---------------------------|------------------------------------------------|
| 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            | 780 g                                          |
| 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 82 | M5                                             |
| 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                              |