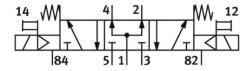


# Air solenoid valve MFH-5/3B-1/4-B

Part number: 19788

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/3, pressurized                                                   |
| Actuation type                           | Electrical                                                         |
| Width                                    | 32 mm                                                              |
| Standard nominal flow rate               | 1600 l/min                                                         |
| Pneumatic working port                   | G1/4                                                               |
| Operating pressure                       | 0.3 MPa ... 1 MPa                                                  |
| Operating pressure                       | 3 bar ... 10 bar                                                   |
| Structural design                        | Piston gate valve                                                  |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 10 mm                                                              |
| Width dimension                          | 33 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                    | Internal                                                           |
| Flow direction                           | Non-reversible                                                     |
| Symbol                                   | 00991034                                                           |
| Lap                                      | Overlap                                                            |
| b-value                                  | 0.38                                                               |
| C value                                  | 6.35 l/sbar                                                        |
| Max. switching frequency                 | 3 Hz                                                               |
| Switching time off                       | 23 ms                                                              |
| On switching time                        | 22 ms                                                              |
| Changeover time                          | 35 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                                                   |
| Temperature of medium                    | -10 °C ... 60 °C                                                   |
| Ambient temperature                      | -5 °C ... 40 °C                                                    |
| Product weight                           | 500 g                                                              |

| Feature                   | Value                                |
|---------------------------|--------------------------------------|
| Electrical connection     | Via F coil, to be ordered separately |
| Type of mounting          | 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    | G1/4                                 |
| Pneumatic connection 2    | G1/4                                 |
| Pneumatic connection 3    | G1/4                                 |
| Pneumatic connection 4    | G1/4                                 |
| Pneumatic connection 5    | G1/4                                 |
| Note on materials         | RoHS-compliant                       |
| Seals material            | NBR                                  |
| Housing material          | Die-cast aluminum                    |