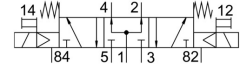
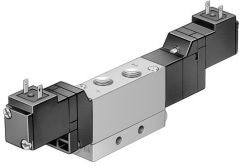


# Air solenoid valve MEH-5/3B-1/8-B

Part number: 173151

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/3, pressurized   |
| Actuation type                           | Electrical   |
| Width                                    | 17.8 mm  |
| Standard nominal flow rate               | 400 l/min  |
| Pneumatic working port                   | G1/8   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | 3 bar ... 8 bar  |
| Structural design                        | Piston gate valve  |
| Reset method                             | Mechanical spring  |
| Certification                            | c UL us - Recognized (OL)  |
| Degree of protection                     | IP65   |
| Nominal width                            | 5 mm   |
| Width dimension                          | 18 mm  |
| Type code                                | MEH  |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Manual override                          | Detenting via accessory  |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | Internal   |
| Flow direction                           | Non-reversible   |
| Symbol                                   | 00991034   |
| Lap                                      | Overlap  |
| Pilot pressure                           | 3 bar ... 8 bar  |
| b-value                                  | 0.37   |
| C value                                  | 3.2 l/sbar   |
| Switching time off                       | 25 ms  |
| On switching time                        | 12 ms  |
| Duty cycle                               | 100%   |
| Coil characteristics                     | 24 V DC: 1.5 W   |
| 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)                   |
| Vibration resistance                     | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress  |

| Feature                      | Value   |
|------------------------------|---|
| Storage temperature          | -20 °C ... 40 °C  |
| Temperature of medium        | -5 °C ... 50 °C   |
| Noise level                  | 75 dB(A)  |
| Pilot medium                 | Compressed air as per ISO 8573-1:2010 [7:4:4]   |
| Ambient temperature          | -5 °C ... 50 °C   |
| Product weight               | 153 g   |
| Electrical connection        | Connection diagram form C as per industrial standard, 9.4 mm Plug<br>Rectangular design |
| Type of mounting             | With through-hole   |
| Pilot exhaust air port 82/84 | M5  |
| Pneumatic connection 1       | G1/8  |
| Pneumatic connection 2       | G1/8  |
| Pneumatic connection 3       | G1/8  |
| Pneumatic connection 4       | G1/8  |
| Pneumatic connection 5       | G1/8  |
| Note on materials            | RoHS-compliant  |
| Seals material               | HNBR<br>NBR   |
| Housing material             | Die-cast aluminum   |