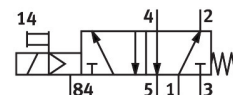


# Solenoid valve

## MVH-5-1/8-B

Part number: 19779

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, monostable  |
| Type of actuation                                     | Electric   |
| Construction width                                    | 26 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 750 l/min  |
| pneumatic working port                                | G1/8   |
| Operating voltage                                     | 24V DC   |
| Operating pressure                                    | 0.2 MPa...1 MPa<br>2 bar...10 bar  |
| Design  | Poppet seat  |
| Type of reset   | Mechanical spring  |
| Nominal size  | 5 mm   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | Non-detenting  |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| lap   | Underlap   |
| b value   | 0.34   |
| C value   | 3 l/sbar   |
| Max. switching frequency                              | 3 Hz   |
| Switching time off                                    | 36 ms  |
| Switching time on                                     | 20 ms  |
| Max. positive test pulse with 0 signal                | 2200 µs  |
| Max. negative test pulse with 1 signal                | 3700 µs  |
| Characteristic coil data                              | 24 V DC: 2.5 W   |
| Permissible voltage fluctuations                      | +/- 10 %   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| 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-B1/B2-L  |

| Feature                      | Value                                      |
|------------------------------|--|
| Storage temperature          | -40 °C...60 °C                             |
| Media temperature            | -5 °C...50 °C                              |
| Ambient temperature          | -5 °C...50 °C                              |
| Product weight               | 230 g                                      |
| Type of mounting             | On PR rail<br>With through-hole<br>Either: |
| Pilot exhaust port 84        | M5   |
| Pneumatic connection, port 1 | G1/8                                       |
| Pneumatic connection, port 2 | G1/8                                       |
| Pneumatic connection, port 3 | G1/8                                       |
| Pneumatic connection, port 4 | G1/8                                       |
| Pneumatic connection, port 5 | G1/8                                       |
| Note on materials            | RoHS-compliant                             |
| Material seals               | NBR<br>TPE-U(PU)                           |
| Material housing             | Die-cast aluminium                         |