

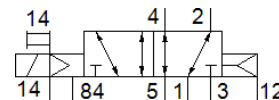
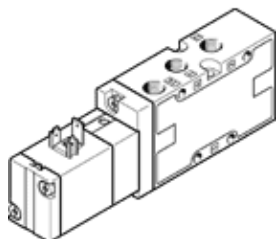
# solenoid valve

## MVH-5-1/8-L-S-B

Part number: 19750  
Classic - do not use for new projects

FESTO

With solenoid coil and manual override, without plug socket.  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Valve function                          | 5/2 monostable  |
| Type of actuation                       | electrical  |
| Width                                   | 26 mm   |
| Standard nominal flow rate              | 1,000 l/min   |
| Operating pressure MPa                  | -0.09 ... 1 MPa   |
| Operating pressure                      | -0.9 ... 10 bar   |
| Design structure                        | Piston slide  |
| Type of reset                           | Air spring  |
| Nominal size                            | 8 mm  |
| Sealing principle                       | soft  |
| Assembly position                       | Any   |
| Manual override                         | Pushing   |
| Type of piloting                        | Piloted   |
| Pilot air supply                        | external  |
| Flow direction                          | reversible  |
| Overlap                                 | Positive overlap  |
| Pilot pressure MPa                      | 0.3 ... 1 MPa   |
| Pilot pressure                          | 3 ... 10 bar  |
| Max. switching frequency                | 3 Hz  |
| Switching time off                      | 25 ms   |
| Switching time on                       | 30 ms   |
| Max. positive test pulse with logic 0   | 2,200 µs  |
| Max. negative test pulse with logic 1   | 3,700 µs  |
| Characteristic coil data                | 24 V DC: 2.5 W  |
| Permissible voltage fluctuation         | +/- 10 %  |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L   |
| Storage temperature                     | -40 ... 60 °C   |
| Medium temperature                      | -5 ... 50 °C  |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Ambient temperature                     | -5 ... 50 °C  |
| Product weight                          | 290 g   |
| Mounting type                           | On PR manifold with through hole<br>Optional                                |
| Auxiliary pilot air port 12             | G1/8  |
| Auxiliary pilot air port 14             | G1/8  |
| Pilot exhaust port 84                   | M5  |
| Pilot air port 12                       | G1/8  |

| Feature                      | Value              |
|------------------------------|--------------------|
| Pilot air port 14            | G1/8               |
| 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               |
| Materials note               | Conforms to RoHS   |
| Material seals               | NBR                |
| Material housing             | Aluminium die cast |