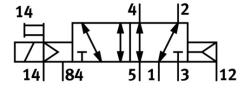
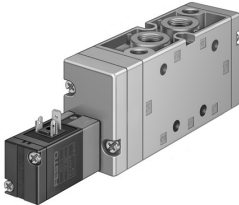


# Solenoid valve MVH-5-3/8-L-S-B

Part number: 33180

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                         | 5/2-way, monostable                                                                        |
| Type of actuation                      | Electric                                                                                   |
| Construction width                     | 40 mm                                                                                      |
| Standard nominal flow rate             | 2000 l/min                                                                                 |
| pneumatic working port                 | G3/8                                                                                       |
| Operating voltage                      | 24V DC                                                                                     |
| Operating pressure                     | -0.09 MPa ... 1 MPa                                                                        |
| Operating pressure                     | -0.9 bar ... 10 bar                                                                        |
| Design                                 | Piston gate valve                                                                          |
| Type of reset                          | Pneumatic spring                                                                           |
| Nominal size                           | 12 mm                                                                                      |
| Grid dimension                         | 41 mm                                                                                      |
| Exhaust-air function                   | With flow control option                                                                   |
| Sealing principle                      | Soft                                                                                       |
| Mounting position                      | optional                                                                                   |
| Manual override                        | Non-detenting                                                                              |
| Type of piloting                       | Pilot actuated                                                                             |
| Pilot air supply                       | External                                                                                   |
| Flow direction                         | Reversible                                                                                 |
| Symbol                                 | 00991026                                                                                   |
| lap                                    | Overlap                                                                                    |
| Pilot pressure                         | 0.2 MPa ... 1 MPa                                                                          |
| Pilot pressure                         | 2 bar ... 10 bar                                                                           |
| Max. switching frequency               | 3 Hz                                                                                       |
| Switching time off                     | 60 ms                                                                                      |
| Switching time on                      | 22 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                                                                          |
| Storage temperature                    | -40 °C ... 60 °C                                                                           |

| Feature                      | Value                                      |
|------------------------------|--------------------------------------------|
| Media temperature            | -5 °C ... 50 °C                            |
| Pilot medium                 | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature          | -5 °C ... 50 °C                            |
| Product weight               | 750 g                                      |
| Type of mounting             | Either:<br>On PR rail<br>With through-hole |
| 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                                       |
| Pilot air port 14            | G1/8                                       |
| Pneumatic connection, port 1 | G3/8                                       |
| Pneumatic connection, port 2 | G3/8                                       |
| Pneumatic connection, port 3 | G3/8                                       |
| Pneumatic connection, port 4 | G3/8                                       |
| Pneumatic connection, port 5 | G3/8                                       |
| Note on materials            | RoHS-compliant                             |
| Material seals               | NBR                                        |
| Material housing             | Die-cast aluminium                         |