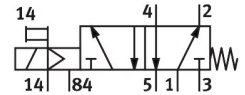


# Air solenoid valve MVH-5-1/8-S-B

Part number: 30996

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/2, monostable                                                    |
| Actuation type                           | Electrical                                                         |
| Width                                    | 26 mm                                                              |
| Standard nominal flow rate               | 750 l/min                                                          |
| Pneumatic working port                   | G1/8                                                               |
| Operating voltage                        | 24V DC                                                             |
| Operating pressure                       | 0 MPa ... 1 MPa                                                    |
| Operating pressure                       | 0 bar ... 10 bar                                                   |
| Structural design                        | Plate seat                                                         |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 5 mm                                                               |
| Sealing principle                        | Soft                                                               |
| Mounting position                        | Any                                                                |
| Manual override                          | Non-detenting                                                      |
| Type of control                          | Pilot-controlled                                                   |
| Pilot air supply port                    | External                                                           |
| Flow direction                           | Non-reversible                                                     |
| Symbol                                   | 00991024                                                           |
| Lap                                      | Underlap                                                           |
| Pilot pressure MPa                       | 0.2 MPa ... 1 MPa                                                  |
| Pilot pressure                           | 2 bar ... 10 bar                                                   |
| b-value                                  | 0.34                                                               |
| C value                                  | 3 l/sbar                                                           |
| Max. switching frequency                 | 3 Hz                                                               |
| Switching time off                       | 36 ms                                                              |
| On switching time                        | 20 ms                                                              |
| Max. positive test pulse with 0 signal   | 2200 µs                                                            |
| Max. negative test pulse on 1 signal     | 3700 µs                                                            |
| Coil characteristics                     | 24 V DC: 2.5 W                                                     |
| Permissible voltage fluctuations         | +/- 10 %                                                           |
| 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                    | -5 °C ... 50 °C                                                    |

| Feature                     | Value                                         |
|-----------------------------|-----------------------------------------------|
| Pilot medium                | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature         | -5 °C ... 50 °C                               |
| Product weight              | 230 g                                         |
| Type of mounting            | With through-hole                             |
| Auxiliary pilot air port 14 | G1/8                                          |
| Pilot exhaust air port 84   | M5                                            |
| Pilot air port 14           | G1/8                                          |
| 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              | NBR<br>TPE-U(PU)                              |
| Housing material            | Die-cast aluminum                             |