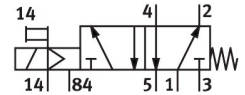


# Air solenoid valve MVH-5-1/8-S-B

Part number: 30996

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 5/2-way, monostable                                                |
| Actuation type                                    | Electrical                                                         |
| Width                                             | 26 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 750 l/min                                                          |
| Pneumatic working port                            | G1/8                                                               |
| Operating voltage                                 | 24V DC                                                             |
| Operating pressure                                | 0 MPa...1 MPa<br>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                                   | Piloted                                                            |
| Pilot air supply port                             | External                                                           |
| Flow direction                                    | Non-reversible                                                     |
| Lap                                               | Negative overlap                                                   |
| 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                                           |

| Feature                     | Value                                                      |
|-----------------------------|------------------------------------------------------------|
| LABS (PWIS) conformity      | VDMA24364-B1/B2-L                                          |
| Storage temperature         | -40 °C...60 °C                                             |
| Temperature of medium       | -5 °C...50 °C                                              |
| 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            | Alternatively:<br>On PR manifold rail<br>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                                          |