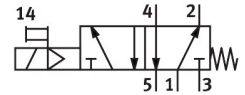
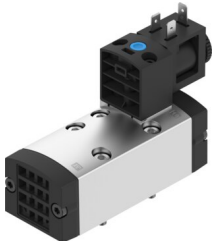


# Solenoid valve VSVA-B-M52-MH-D1-F8-1B2

Part number: 8033714

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                                 | Value                                    |
|-------------------------------------------------------------------------|------------------------------------------|
| Valve function                                                          | 5/2, monostable                          |
| Actuation type                                                          | Electrical                               |
| Width                                                                   | 42 mm                                    |
| Nominal flow rate standardized according to ISO 8778                    | 1800 l/min                               |
| Pneumatic working port                                                  | Sub-base, size 1 according to ISO 5599-1 |
| Operating voltage                                                       | 24V DC                                   |
| Operating pressure                                                      | 0.3 MPa ... 1.6 MPa                      |
| Operating pressure                                                      | 3 bar ... 16 bar                         |
| Structural design                                                       | Piston gate valve                        |
| Reset method                                                            | Mechanical spring                        |
| Degree of protection                                                    | IP65<br>NEMA 4                           |
| Nominal width                                                           | 8 mm                                     |
| Width dimension                                                         | 43 mm                                    |
| Exhaust air function                                                    | Via individual sub-base                  |
| Sealing principle                                                       | Soft                                     |
| Mounting position                                                       | Any                                      |
| Conforms to standard                                                    | ISO 5599-1                               |
| Manual override                                                         | Non-detenting                            |
| Type of control                                                         | Pilot-controlled                         |
| Pilot air supply port                                                   | Internal                                 |
| Flow direction                                                          | Non-reversible                           |
| Symbol                                                                  | 00991003                                 |
| Lap                                                                     | Overlap                                  |
| Pilot pressure MPa                                                      | 0.3 MPa ... 1 MPa                        |
| Pilot pressure                                                          | 3 bar ... 10 bar                         |
| Suitability for vacuum                                                  | no                                       |
| b-value                                                                 | 1.7                                      |
| C value                                                                 | 7.718 l/sbar                             |
| Flow rate of pneumatic valve                                            | 1700 l/min                               |
| Flow rate of pneumatic valve on individual sub-base                     | 1400 l/min                               |
| Optimized flow rate of pneumatic valve, pneumatically concatenated flow | 1600 l/min                               |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow  | 1400 l/min                               |
| Max. switching frequency                                                | 1 Hz                                     |
| Switching time off                                                      | 52 ms                                    |

| Feature                                   | Value                                                              |
|-------------------------------------------|--------------------------------------------------------------------|
| On switching time                         | 21 ms                                                              |
| Duty cycle                                | 100%                                                               |
| Coil characteristics                      | 24 V DC: 3.3 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) |
| LABS (PWIS) conformity                    | VDMA24364-B1/B2-L                                                  |
| Temperature of medium                     | -10 °C ... 50 °C                                                   |
| Relative air humidity                     | 0 - 90 %                                                           |
| Noise level                               | 85 dB(A)                                                           |
| Pilot medium                              | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Ambient temperature                       | -10 °C ... 50 °C                                                   |
| Max. tightening torque for valve mounting | 1 Nm                                                               |
| Product weight                            | 407 g                                                              |
| Electrical connection                     | Form B                                                             |
| Type of mounting                          | On sub-base                                                        |
| Pilot air port 12                         | Sub-base, size 1 as per ISO 5599-1                                 |
| Pilot air port 14                         | Sub-base, size 1 as per ISO 5599-1                                 |
| Pneumatic connection 1                    | Sub-base, size 1 as per ISO 5599-1                                 |
| Pneumatic connection 2                    | Sub-base, size 1 as per ISO 5599-1                                 |
| Pneumatic connection 3                    | Sub-base, size 1 as per ISO 5599-1                                 |
| Pneumatic connection 4                    | Sub-base, size 1 as per ISO 5599-1                                 |
| Pneumatic connection 5                    | Sub-base, size 1 as per ISO 5599-1                                 |
| Pilot interface                           | as per ISO 15218                                                   |
| Note on materials                         | RoHS-compliant                                                     |
| Seals material                            | NBR                                                                |
| Housing material                          | Die-cast aluminum                                                  |
| Material of screws                        | Steel                                                              |