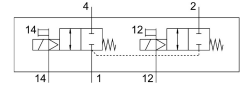


# Solenoid valve VSVA-B-T22C-MZD-D1-F8

Part number: 8198552

**FESTO**



## Data sheet

| Feature                                               | Value                                  |
|-------------------------------------------------------|----------------------------------------|
| Valve function                                        | 2x2/2-way, monostable, closed          |
| Type of actuation                                     | Electric                               |
| Construction width                                    | 42 mm                                  |
| Nominal flow rate standardised according to ISO 8778  | 1700 l/min                             |
| pneumatic working port                                | Sub-base size 1 to ISO 5599-1          |
| Operating pressure                                    | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar |
| Design                                                | Piston gate valve                      |
| Type of reset                                         | Mechanical spring                      |
| Degree of protection                                  | IP65<br>NEMA 4                         |
| Nominal size                                          | 8 mm                                   |
| Grid dimension                                        | 43 mm                                  |
| Exhaust-air function                                  | Via individual sub-base                |
| Sealing principle                                     | Soft                                   |
| Mounting position                                     | optional                               |
| Conforms to standard                                  | ISO 5599-1                             |
| Manual override                                       | Detenting                              |
| Type of piloting                                      | Pilot actuated                         |
| Pilot air supply                                      | External                               |
| Flow direction                                        | Reversible                             |
| lap                                                   | Overlap                                |
| Pilot pressure                                        | 0.3 MPa...1 MPa<br>3 bar...10 bar      |
| Suitability for vacuum                                | yes                                    |
| b value                                               | 0.18                                   |
| C value                                               | 6.503 l/sbar                           |
| Flow rate of valve                                    | 1500 l/min                             |
| Flow rate of valve on individual sub-base             | 1300 l/min                             |
| Valve flow rate, pneumatically linked, flow optimized | 1500 l/min                             |
| Flow rate of pneumatically interlinked valve          | 1300 l/min                             |
| Max. switching frequency                              | 5 Hz                                   |

| Feature                                   | Value                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------|
| Switching time off                        | 28 ms                                                                                      |
| Switching time on                         | 18 ms                                                                                      |
| Duty cycle                                | 100%                                                                                       |
| 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) |
| LABS (PWIS) conformity                    | VDMA24364-B1/B2-L                                                                          |
| Media temperature                         | -10 °C...50 °C                                                                             |
| Relative air humidity                     | 0 - 90%                                                                                    |
| Sound pressure level                      | 85 dB(A)                                                                                   |
| Pilot medium                              | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                       | -10 °C...50 °C                                                                             |
| Max. tightening torque for valve mounting | 1 Nm                                                                                       |
| Product weight                            | 400 g                                                                                      |
| Type of mounting                          | On sub-base                                                                                |
| Pilot air port 12                         | Sub-base size 1 to ISO 5599-1                                                              |
| Pilot air port 14                         | Sub-base size 1 to ISO 5599-1                                                              |
| Pneumatic connection, port 1              | Sub-base size 1 to ISO 5599-1                                                              |
| Pneumatic connection, port 2              | Sub-base size 1 to ISO 5599-1                                                              |
| Pneumatic connection, port 3              | Sub-base size 1 to ISO 5599-1                                                              |
| Pneumatic connection, port 4              | Sub-base size 1 to ISO 5599-1                                                              |
| Pneumatic connection, port 5              | Sub-base size 1 to ISO 5599-1                                                              |
| Pilot control interface                   | To ISO 15218                                                                               |
| Note on materials                         | RoHS-compliant                                                                             |
| Material seals                            | NBR                                                                                        |
| Material housing                          | Die-cast aluminium                                                                         |
| Material screws                           | Steel                                                                                      |