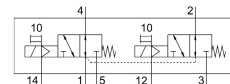


# Solenoid valve VSVA-B-T32H-MZH-D2-F8

Part number: 8198636

FESTO



## Data sheet

| Feature                                              | Value                                  |
|------------------------------------------------------|----------------------------------------|
| Valve function                                       | 2x3/2-way, open/closed, monostable     |
| Type of actuation                                    | Electric                               |
| Construction width                                   | 52 mm                                  |
| Nominal flow rate standardised according to ISO 8778 | 1900 l/min                             |
| pneumatic working port                               | Sub-base size 2 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                                         | 11.5 mm                                |
| Grid dimension                                       | 53 mm                                  |
| Exhaust-air function                                 | Via individual sub-base                |
| Sealing principle                                    | Soft                                   |
| Mounting position                                    | optional                               |
| Conforms to standard                                 | ISO 5599-1                             |
| Manual override                                      | Non-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                                              | 0.65                                   |
| C value                                              | 3.208 l/sbar                           |
| Flow rate of valve                                   | 1800 l/min                             |
| Flow rate of valve on individual sub-base            | 1800 l/min                             |
| Flow rate of pneumatically interlinked valve         | 1100 l/min                             |
| Max. switching frequency                             | 5 Hz                                   |
| Switching time off                                   | 38 ms                                  |

| Feature                                   | Value                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------|
| Switching time on                         | 33 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 | 2 Nm                                                                                       |
| Product weight                            | 680 g                                                                                      |
| Type of mounting                          | On sub-base                                                                                |
| Pilot air port 12                         | Sub-base size 2 to ISO 5599-1                                                              |
| Pilot air port 14                         | Sub-base size 2 to ISO 5599-1                                                              |
| Pneumatic connection, port 1              | Sub-base size 2 to ISO 5599-1                                                              |
| Pneumatic connection, port 2              | Sub-base size 2 to ISO 5599-1                                                              |
| Pneumatic connection, port 3              | Sub-base size 2 to ISO 5599-1                                                              |
| Pneumatic connection, port 4              | Sub-base size 2 to ISO 5599-1                                                              |
| Pneumatic connection, port 5              | Sub-base size 2 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                                                                                      |