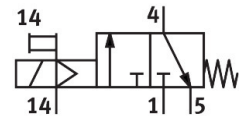
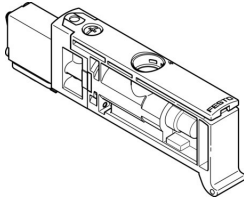


# Solenoid valve

## VUVB-ST12-M32C-MZH-QX-1T1

Part number: 575997

**FESTO**



## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 3/2-way, closed, monostable                                                                |
| Type of actuation                                     | Electric                                                                                   |
| Valve size                                            | 12 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 240 l/min...400 l/min                                                                      |
| pneumatic working port                                | QS-4<br>QS-6                                                                               |
| Operating pressure                                    | 0.2 MPa...0.8 MPa<br>2 bar...8 bar                                                         |
| Design                                                | Poppet valve with spring return                                                            |
| Degree of protection                                  | IP65                                                                                       |
| Nominal size                                          | 4 mm                                                                                       |
| Exhaust-air function                                  | Without flow control option                                                                |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Manual override                                       | Non-detenting                                                                              |
| Type of piloting                                      | Pilot actuated                                                                             |
| Pilot air supply                                      | External                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| Note on operating pressure                            | 0 - 0.8 MPa with ext. pilot air<br>0 - 8 bar with external pilot air                       |
| Pilot pressure                                        | 0.2 MPa...0.8 MPa<br>2 bar...8 bar                                                         |
| Switching time off                                    | 14 ms                                                                                      |
| Switching time on                                     | 6 ms                                                                                       |
| Duty cycle                                            | 100%                                                                                       |
| Max. positive test pulse with 0 signal                | 800 µs                                                                                     |
| Max. negative test pulse with 1 signal                | 300 µs                                                                                     |
| Characteristic coil data                              | 24 V DC: 1.0 W                                                                             |
| Permissible voltage fluctuations                      | +/- 10 %                                                                                   |
| 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) |

| Feature                        | Value                                                                            |
|--------------------------------|----------------------------------------------------------------------------------|
| Vibration resistance           | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance               | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class CRC | 0 - No corrosion stress                                                          |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L                                                                |
| Media temperature              | -5 °C...60 °C                                                                    |
| Sound pressure level           | 85 dB(A)                                                                         |
| Ambient temperature            | -5 °C...60 °C                                                                    |
| Product weight                 | 26.3 g                                                                           |
| Electrical connection          | Via sub-base                                                                     |
| Type of mounting               | On sub-base                                                                      |
| Auxiliary pilot air port 14    | Sub-base                                                                         |
| Pneumatic connection, port 1   | Sub-base                                                                         |
| Pneumatic connection, port 3   | Sub-base                                                                         |
| Pneumatic connection, port 5   | Sub-base                                                                         |
| Note on materials              | RoHS-compliant                                                                   |
| Material seals                 | NBR<br>TPE-U(PU)                                                                 |
| Material housing               | PA-reinforced                                                                    |
| Material piston slide          | Wrought aluminium alloy                                                          |