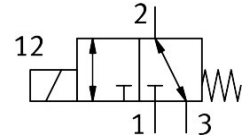
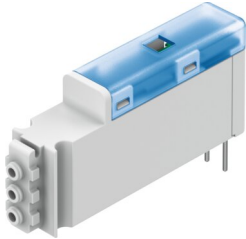


# Solenoid valve VOVK-BT6-M32C-MN-5T1P-FF

Part number: 8122780

**FESTO**



General operating condition

## Data sheet

| Feature                                  | Value                                                                |
|------------------------------------------|----------------------------------------------------------------------|
| Valve function                           | 3/2, closed, monostable                                              |
| Actuation type                           | Electrical                                                           |
| Width                                    | 5.9 mm                                                               |
| Standard nominal flow rate               | 5.5 l/min                                                            |
| Pneumatic working port                   | Sub-base                                                             |
| Operating pressure                       | -0.1 MPa ... 0.7 MPa                                                 |
| Operating pressure                       | -1 bar ... 7 bar                                                     |
| Operating pressure                       | -14.5 psi ... 100 psi                                                |
| Information on operating pressure        | Operating pressure at port 3: -1 to 0 bar only                       |
| Structural design                        | Connection direction to the front<br>Poppet valve with return spring |
| Reset method                             | Mechanical spring                                                    |
| Degree of protection                     | IP40                                                                 |
| Nominal width                            | 0.36 mm                                                              |
| Exhaust air function                     | With flow control option                                             |
| Sealing principle                        | Soft                                                                 |
| Mounting position                        | Any                                                                  |
| Manual override                          | None                                                                 |
| Type of control                          | Electrical                                                           |
| Flow direction                           | Reversible                                                           |
| Symbol                                   | 00992967                                                             |
| Cv value                                 | 0.006 Gal/min US                                                     |
| Max. switching frequency                 | 10 Hz                                                                |
| Switching time off                       | ≤6 ms                                                                |
| Note on switching time off               | At -1 < p < 6 bar                                                    |
| On switching time                        | ≤13 ms                                                               |
| Note on switching time on                | ≤ 6 ms at 0 < p < 6 bar, ≤ 13 ms at -1 < p < 0 bar                   |
| Duty cycle                               | 100% within 500 h                                                    |
| Electrical power consumption             | ≤0.5 W                                                               |
| Nominal operating voltage DC             | 12 V                                                                 |
| Permissible voltage fluctuations         | +/- 10 %                                                             |
| Operating medium                         | Compressed air to ISO 8573-1:2010 [6:4:1]                            |
| Information on operating and pilot media | Operation with oil lubrication not possible                          |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                             |
| LABS (PWIS) conformity                   | VDMA24364 zone III                                                   |
| Temperature of medium                    | 5 °C ... 50 °C                                                       |

| Feature                       | Value                      |
|-------------------------------|----------------------------|
| Relative air humidity         | 70 %                       |
| Note on relative air humidity | at ambient temperature     |
| Ambient temperature           | 5 °C ... 50 °C             |
| Product weight                | 4.5 g                      |
| Electrical connection         | 2-pin                      |
| Type of mounting              | With through-hole          |
| Pneumatic connection 1        | Sub-base                   |
| Pneumatic connection 3        | Sub-base                   |
| Note on materials             | RoHS-compliant             |
| Housing material              | PBT                        |
| Material of spring            | High-alloy stainless steel |