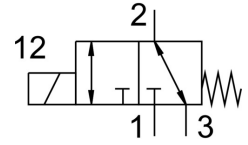
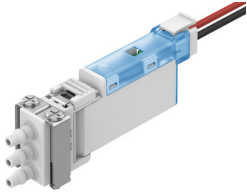


# Solenoid valve

## VOVK-BT6-M32C-MN-5H5ZP-B3.2F

FESTO

Part number: 8122787



## 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                   | For tubing I.D. 2 mm   |
| 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  |
| Type code                                | VOVK   |
| 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   |
| Temperature of medium                    | 5 °C ... 50 °C   |

| <b>Feature</b>                | <b>Value</b>   |
|-------------------------------|--|
| Relative air humidity         | 70 %   |
| Note on relative air humidity | at ambient temperature   |
| Ambient temperature           | 5 °C ... 50 °C   |
| Product weight                | 6 g  |
| Electrical connection         | Cable  |
| Type of mounting              | With through-hole  |
| Pneumatic connection 1        | For tubing I.D. 2 mm   |
| Pneumatic connection 3        | For tubing I.D. 2 mm   |
| Note on materials             | Contains paint-wetting impairment substances<br>RoHS-compliant |
| Housing material              | PBT  |
| Material of spring            | High-alloy stainless steel                                     |