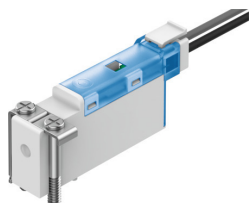


# Solenoid valve

## VOVK-BT6-M32C-MN-5H5ZP-FB

Part number: 8122777

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                             |
|-------------------------------------------------------|-------------------------------------------------------------------|
| Valve function                                        | 3/2-way, closed, monostable                                       |
| Type of actuation                                     | Electric                                                          |
| Construction width                                    | 5.9 mm                                                            |
| Standard nominal flow rate (standardised to DIN 1343) | 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                                             |
| Note on operating pressure                            | Operating pressure at port 3: -1 to 0 bar only                    |
| Design                                                | Connection direction downwards<br>Poppet valve with spring return |
| Type of reset                                         | Mechanical spring                                                 |
| Degree of protection                                  | IP40                                                              |
| Nominal size                                          | 0.36 mm                                                           |
| Exhaust-air function                                  | With flow control option                                          |
| Sealing principle                                     | Soft                                                              |
| Mounting position                                     | optional                                                          |
| Manual override                                       | None                                                              |
| Type of piloting                                      | Electric                                                          |
| 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                                                 |
| Switching time on                                     | ≤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]                         |
| Note on operating and pilot medium                    | Lubricated operation not possible                                 |
| Corrosion resistance class CRC                        | 1 - Low corrosion stress                                          |
| LABS (PWIS) conformity                                | VDMA24364 zone III                                                |
| Media temperature                                     | 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                | 6 g                        |
| Electrical connection         | Cable                      |
| Type of mounting              | With through-hole          |
| Pneumatic connection, port 1  | Sub-base                   |
| Pneumatic connection, port 3  | Sub-base                   |
| Note on materials             | RoHS-compliant             |
| Material housing              | PBT                        |
| Material spring               | High-alloy stainless steel |