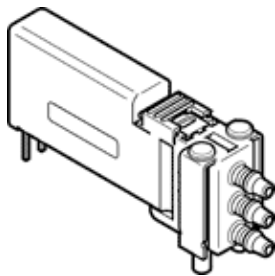


# Solenoid valve

## VOVK-BT6-M32C-MN-1T1P-B3.2F

Part number: 8122785

FESTO



### Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 3/2 closed, monostable   |
| Type of actuation                       | electrical   |
| Width                                   | 5.9 mm   |
| Standard nominal flow rate              | 5.5 l/min  |
| Operating pressure MPa                  | -0.1 ... 0.7 MPa   |
| Working pressure                        | -1 ... 7 bar   |
| Operating pressure                      | -14.5 ... 100 psi  |
| Note on working pressure                | Operating pressure at port 3: n.-1-0bar                              |
| Design structure                        | Connection direction to the front<br>Poppet valve with spring return |
| Type of reset                           | mechanical spring  |
| Protection class                        | IP40   |
| Nominal size                            | 0.36 mm  |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | None   |
| Type of piloting                        | electrical   |
| Flow direction                          | reversible   |
| 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            | 24 V   |
| Permissible voltage fluctuation         | +/- 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 classification CRC | 1 - Low corrosion stress   |
| PWIS conformity                         | VDMA24364 zone III   |
| Medium temperature                      | 5 ... 50 °C  |
| Relative air humidity                   | 70 %   |
| Information on relative air humidity    | At ambient temperature   |
| Ambient temperature                     | 5 ... 50 °C  |
| Product weight                          | 4.5 g  |
| Electrical connection                   | 2-pin  |
| Mounting type                           | with through hole  |
| Pneumatic connection, port 1            | For tubing internal diameter 2 mm                                    |
| Pneumatic connection, port 3            | For tubing internal diameter 2 mm                                    |
| Materials note                          | Conforms to RoHS   |
| Material housing                        | PBT  |
| Material spring                         | High alloy steel, non-corrosive                                      |