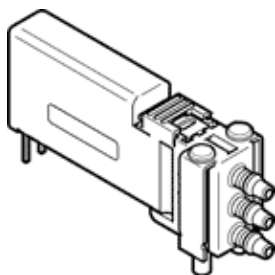


Solenoid valve

VOVK-BT6-M32C-MN-5T1P-B3.2F

Part number: 8122789

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 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 | 12 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 |