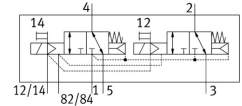
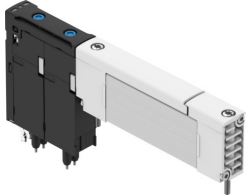



Solenoid valve VUVX-BK10-T32C-MZH-F-1T1L

Part number: 8187061

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--------------------------------|
| Valve function | 2x3/2-way, monostable, closed |
| Type of actuation | Electric |
| Valve size | 10 mm |
| Nominal flow rate standardised according to ISO 8778 | 600 l/min |
| Operating voltage | 24V DC |
| Operating pressure | 0 MPa ... 0.7 MPa |
| Operating pressure | 0 bar ... 7 bar |
| Design | Piston slide with sealing ring |
| Type of reset | Mechanical spring |
| Degree of protection | IP65 |
| Width | 10.35 mm |
| Nominal size | 3.8 mm |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Manual override | Non-detenting |
| Type of piloting | Pilot actuated |
| Pilot air supply | External |
| Flow direction | Reversible |
| Symbol | 00997511 |
| lap | Underlap |
| Signal status display | yes |
| Pilot pressure | 0.2 MPa ... 0.7 MPa |
| Pilot pressure | 2 bar ... 7 bar |
| Suitability for vacuum | no |
| b value | 0.34 |
| C value | 2.3 l/sbar |
| Nominal flow rate standardised to ISO 8778 exhaust 2-3 | 650 l/min |
| Max. switching frequency | 3 Hz |
| Switching time off | 17 ms |
| Switching time on | 14 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 1400 µs |
| Max. negative test pulse with 1 signal | 800 µs |
| Characteristic coil data | 24 V DC: 0.35 W |
| Permissible voltage fluctuations | +/- 10 % |

| Feature | Value |
|---|---|
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases |
| Note on operating and pilot medium | Ester oil < 0.1mg/m ³ , according to ISO 8573-1:2010 [-:-:2] Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Storage temperature | -20 °C ... 70 °C |
| Suitable for use with food | See supplementary material information |
| Media temperature | -5 °C ... 50 °C |
| Relative air humidity | 5 - 95% |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases |
| Ambient temperature | -5 °C ... 50 °C |
| Max. tightening torque for valve mounting | 0.375 Nm |
| Product weight | 52.6 g |
| Electrical connection | Plug-in |
| Type of mounting | On sub-base |
| Pilot air port 12/14 | Sub-base |
| Pilot exhaust port 82/84 | Sub-base |
| Pilot air port 12 | Sub-base |
| Pneumatic connection, port 1 | Sub-base |
| Pneumatic connection, port 2 | Sub-base |
| Pneumatic connection, port 3 | Sub-base |
| Pneumatic connection, port 4 | Sub-base |
| Pneumatic connection, port 5 | Sub-base |
| Pneumatic port 82 | Sub-base |
| Note on materials | RoHS-compliant |
| Material seals | HNBR |
| Material dynamic seals | HNBR |
| Material housing | Anodised wrought aluminium alloy |
| Material spring | High-alloy stainless steel |
| Material piston slide | POM |
| Material screws | Stainless steel |