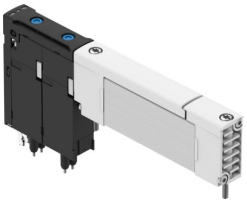
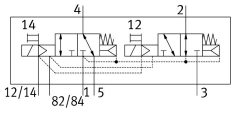
# Solenoid valve
# VUVX-BK10-T32H-MZH-F-1T1L

Part number: 8187065






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2x3/2-way, open/closed, monostable |
| Type of actuation | Electrical |
| Valve size | 10 mm |
| Nominal flow rate standardised according to ISO 8778 | 555 l/min |
| Operating voltage | 24 V DC |
| Operating pressure | 0 MPa...0.7 MPa<br>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 | 3.6 mm |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | External |
| Flow direction | Reversible |
| lap | Underlap |
| Signal status display | Yes |
| Pilot pressure | 0.2 MPa...0.7 MPa<br>2 bar...7 bar |
| Suitability for vacuum | No |
| b value | 0.34 |
| C value | 2.02 l/sbar |
| Nominal flow rate standardised to ISO 8778 exhaust 2-3 | 545 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 |

| Feature | Value |
|---|---|
| Max. negative test pulse with 1 signal | 800 µs |
| Characteristic coil data | 24 V DC: 0.35 W |
| Permissible voltage fluctuations | +/-10% |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| Note on operating and pilot medium | Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2]<br>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 | NSF H1 |
| Media temperature | -5 °C...50 °C |
| Relative air humidity | 5 - 95% |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| 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 |
| 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 |
| 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 |