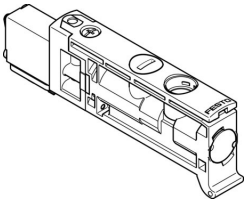
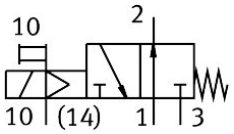
# Air solenoid valve
# VUVB-ST12-M32U-MZD-QX-D-1T1

Part number: 576004






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2-way, monostable, open |
| Actuation type | Electrical |
| Valve size | 12 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 240 l/min...400 l/min |
| Pneumatic working port | QS-4<br>QS-6 |
| Operating pressure | 0.28 MPa...0.8 MPa<br>2.8 bar...8 bar |
| Structural design | Poppet valve with spring return |
| Degree of protection | IP65 |
| Nominal width | 4 mm |
| Exhaust air function | Cannot be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | External |
| Flow direction | Non-reversible |
| Information on operating pressure | 0 – 0.8 bar with external pilot air<br>0 - 8 bar with external pilot air |
| Pilot pressure MPa | 0.28 MPa...0.8 MPa |
| Pilot pressure | 2.8 bar...8 bar |
| Switching time off | 14 ms |
| On switching time | 6 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 800 µs |
| Max. negative test pulse on 1 signal | 300 µs |
| Coil characteristics | 24 V DC: 1.0 W |
| Permissible voltage fluctuations | +/- 10% |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |

| Feature | Value |
|---|---|
| Vibration resistance | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -5 °C...60 °C |
| Noise level | 85 dB(A) |
| Ambient temperature | -5 °C...60 °C |
| Product weight | 29.4 g |
| Electrical connection | Via sub-base |
| Type of mounting | On sub-base |
| Auxiliary pilot air port 14 | Sub-base |
| Pneumatic connection 1 | Sub-base |
| Pneumatic connection 3 | Sub-base |
| Pneumatic connection 5 | Sub-base |
| Note on materials | RoHS compliant |
| Seals material | NBR<br>TPE-U(PU) |
| Housing material | PA-reinforced |
| Piston slide material | Wrought aluminum alloy |