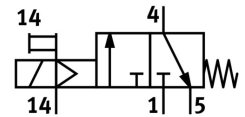
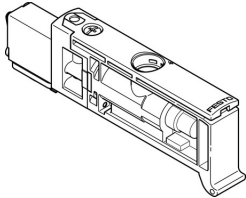


Air solenoid valve VUVB-ST12-M32C-MZD-QX-D-1T1

FESTO

Part number: 576002



General operating condition

Data sheet

| Feature | Value |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function | 3/2, closed, monostable |
| Actuation type | Electrical |
| Valve size | 12 mm |
| Standard nominal flow rate | 240 l/min ... 400 l/min |
| Pneumatic working port | QS-4 QS-6 |
| Operating pressure | 0.2 MPa ... 0.8 MPa |
| Operating pressure | 2 bar ... 8 bar |
| Structural design | Poppet valve with return spring |
| Degree of protection | IP65 |
| Nominal width | 4 mm |
| Exhaust air function | Without flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting Non-detenting |
| Type of control | Pilot-controlled |
| Pilot air supply port | External |
| Flow direction | Non-reversible |
| Symbol | 00992123 |
| Information on operating pressure | 0 – 0.8 bar with external pilot air 0 - 8 bar with external pilot air |
| Pilot pressure MPa | 0.2 MPa ... 0.8 MPa |
| Pilot pressure | 2 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) |
| 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 |

| Feature | Value |
|-----------------------------|------------------------|
| 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 | 26.3 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 TPE-U(PU) |
| Housing material | PA-reinforced |
| Piston slide material | Wrought aluminum alloy |