# Solenoid valve
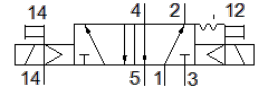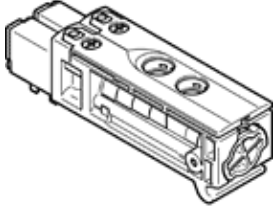# VUVB-ST12-B52-ZH-QX-D-1T1

Part number: 558370
Classic - do not use for new projects

Modern alternatives can be found by entering the first four characters
of the type code in the search field.

**FESTO**

# Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2 bistable |
| Type of actuation | electrical |
| Valve size | 24 mm |
| Standard nominal flow rate | 260 ... 450 l/min |
| Operating pressure MPa | 0.28 ... 0.8 MPa |
| Working pressure | 2.8 ... 8 bar |
| Design structure | Poppet valve with self-holding function |
| Protection class | IP65 |
| Nominal size | 4 mm |
| Exhaust-air function | not throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | Pushing |
| Type of piloting | Piloted |
| Pilot air supply | external |
| Flow direction | non reversible |
| Note on working pressure | 0 - 0.8 MPa with external pilot air<br>0 - 8 bar with external pilot air |
| Pilot pressure MPa | 0.28 ... 0.8 MPa |
| Pilot pressure | 2.8 ... 8 bar |
| Switching time reversal | 10 ms |
| Duty cycle | 100 % |
| Max. positive test pulse with logic 0 | 800 µs |
| Max. negative test pulse with logic 1 | 300 µs |
| Characteristic coil data | 24 V DC: 1 W |
| Permissible voltage fluctuation | +/- 10 % |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| 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 in accordance with FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Medium temperature | -5 ... 60 °C |
| Sound pressure level | 85 dB(A) |
| Ambient temperature | -5 ... 60 °C |
| Product weight | 57.4 g |
| Electrical connection | via manifold block |
| Mounting type | On subbase |
| Auxiliary pilot air port 14 | Subbase |
| Pneumatic connection, port  1 | Subbase |

| Feature | Value |
|---|---|
| Pneumatic connection, port 3 | Subbase |
| Pneumatic connection, port 5 | Subbase |
| Materials note | Conforms to RoHS |
| Material seals | NBR |
| | TPE-U(PU) |
| Material housing | PA-reinforced |
| Material Piston slide | Wrought Aluminum alloy |