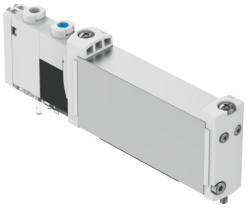
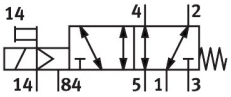
# Air solenoid valve
# VUVG-B14-M52-MZT-F-1T1L

Part number: 573483






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, monostable |
| Actuation type | Electrical |
| Valve size | 14 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 500 l/min |
| Pneumatic working port | Flange |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...0.8 MPa<br>-0.9 bar...8 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Certification | c UL us - recognized (OL) |
| Degree of protection | IP65<br>IP67 |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | External |
| Flow direction | Reversible |
| Lap | Positive overlap |
| Signal status display | LED |
| Pilot pressure MPa | 0.3 MPa...0.8 MPa |
| Pilot pressure | 3 bar...8 bar |
| Max. switching frequency | 3 Hz |
| Switching time off | 38 ms |
| On switching time | 10 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 1600 µs |
| Max. negative test pulse on 1 signal | 3000 µs |
| Coil characteristics | 22 V DC: 1.0 W |

| Feature | Value |
|---|---|
| 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 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -5 °C...60 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...60 °C |
| Product weight | 89 g |
| Electrical connection | Via sub-base |
| Type of mounting | On terminal strip |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Wrought aluminum alloy |