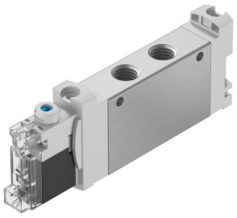
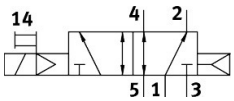
# Air solenoid valve
# VUVG-LK14-M52-AT-G18-1H2L-S

Part number: 8042563






General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2, monostable |
| Actuation type | Electrical |
| Valve size | 14 mm |
| Standard nominal flow rate | 660 l/min |
| Pneumatic working port | G1/8 |
| Operating voltage | 24V DC |
| Operating pressure | 0.25 MPa ... 0.7 MPa |
| Operating pressure | 2.5 bar ... 7 bar |
| Structural design | Piston slide with sealing ring |
| Reset method | Pneumatic spring |
| Certification | c UL us - Recognized (OL) |
| Certificate issuing authority | UL MH19482 |
| Degree of protection | IP40 |
| Exhaust air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Pilot-controlled |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Symbol | 00992908 |
| Lap | Overlap |
| Signal status display | LED |
| Max. switching frequency | 2 Hz |
| Switching time off | 24 ms |
| On switching time | 14 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 1600 µs |
| Max. negative test pulse on 1 signal | 3000 µs |
| Coil characteristics | 24 V DC: 0.8 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 |

| Feature | Value |
|---|---|
| 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 zone III |
| Temperature of medium | -5 °C ... 50 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C ... 50 °C |
| Product weight | 65 g |
| Electrical connection | 2-pin<br>Connection diagram H, horizontal connection<br>Plug |
| Type of mounting | With through-hole |
| Pneumatic connection 2 | G1/8 |
| Pneumatic connection 4 | G1/8 |
| Note on materials | RoHS-compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Wrought aluminum alloy |