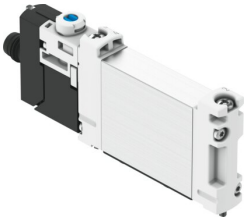
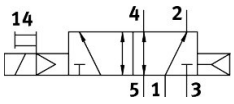
# Air solenoid valve
# VUVG-BK10-M52-AT-F-1R8L-S

Part number: 8042559






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, monostable |
| Actuation type | Electrical |
| Valve size | 10 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 160 l/min |
| Pneumatic working port | Flange |
| Operating voltage | 24V DC |
| Operating pressure | 0.25 MPa...0.7 MPa<br>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 | IP65 |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Signal status display | LED |
| Max. switching frequency | 2 Hz |
| Switching time off | 17 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] |

| Feature | Value |
|---|---|
| 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 |
| 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 | 50 g |
| Electrical connection | 3-pin<br>M8x1 A-coded as per EN 61076-2-104<br>Plug |
| Type of mounting | On terminal strip<br>With through-hole |
| Pneumatic connection 2 | Flange |
| Pneumatic connection 4 | Flange |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Wrought aluminum alloy |