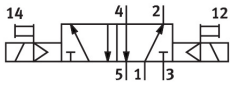
# Air solenoid valve
# VUVS-LK25-B52-D-G14-1B2-S

Part number: 8043219






General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2, bistable |
| Actuation type | Electrical |
| Valve size | 26.5 mm |
| Standard nominal flow rate | 1000 l/min |
| Pneumatic working port | G1/4 |
| Operating voltage | 24V DC |
| Operating pressure | 0.15 MPa ... 0.8 MPa |
| Operating pressure | 1.5 bar ... 8 bar |
| Structural design | Piston gate valve |
| Degree of protection | IP65<br>With plug socket<br>as per IEC 60529 |
| Nominal width | 6.7 mm |
| 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 | 00991005 |
| Lap | Overlap |
| b-value | 0.45 |
| C value | 3.86 l/sbar |
| Changeover time | 12 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 2500 µs |
| Max. negative test pulse on 1 signal | 1100 µs |
| Coil characteristics | 24 V DC: 3.3 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 2 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) | 1 - Low corrosion stress |

| Feature | Value |
|---|---|
| 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 | 320 g |
| Electrical connection | Form B<br>As per industrial standard (11 mm) |
| Type of mounting | With through-hole |
| Venting hole connection | Not ducted |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | G¼ |
| Pneumatic connection 3 | G1/4 |
| Pneumatic connection 4 | G1/4 |
| Pneumatic connection 5 | G1/4 |
| Note on materials | RoHS-compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Wrought aluminum alloy |
| Piston slide material | Wrought aluminum alloy |