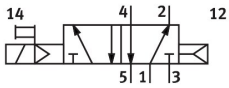
# Solenoid valve
# VUVS-LK25-M52-AD-G14-1B2-S

Part number: 8043218






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, single solenoid |
| Type of actuation | Electrical |
| Valve size | 26.5 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min |
| pneumatic working port | G1/4 |
| Operating voltage | 24 V DC |
| Operating pressure | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Degree of protection | IP65<br>With plug socket<br>To IEC 60529 |
| Nominal size | 6.7 mm |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| lap | Overlap |
| b value | 0.45 |
| C value | 3.86 l/sbar |
| Switching time off | 22 ms |
| Switching time on | 20 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 2500 µs |
| Max. negative test pulse with 1 signal | 1100 µs |
| Characteristic coil data | 24 V DC: 3.3 W |
| Permissible voltage fluctuations | +/-10% |

| Feature | Value |
|---|---|
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Media temperature | -5 °C...50 °C |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 250 g |
| Electrical connection | Type B<br>To industry standard (11 mm) |
| Type of mounting | Either:<br>On manifold rail<br>With through-hole |
| Breather connection | Not ducted |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | G1/4 |
| Pneumatic connection, port 3 | G1/4 |
| Pneumatic connection, port 4 | G1/4 |
| Pneumatic connection, port 5 | G1/4 |
| Note on materials | RoHS compliant |
| Material seals | HNBR<br>NBR |
| Material housing | Wrought aluminium alloy |
| Material piston slide | Wrought aluminium alloy |