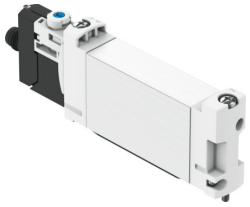
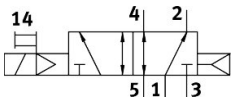
# Solenoid valve
# VUVG-BK14-M52-AT-F-1R8L-S

Part number: 8042575






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, single solenoid |
| Type of actuation | Electrical |
| Valve size | 14 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 380 l/min |
| pneumatic working port | Flange |
| Operating voltage | 24 V DC |
| Operating pressure | 0.25 MPa...0.7 MPa<br>2.5 bar...7 bar |
| Design | Piston slide with sealing ring |
| Type of reset | Pneumatic spring |
| Approval | c UL us - Recognised (Oil) |
| Certificate issuing authority | UL MH19482 |
| Degree of protection | IP65 |
| 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 |
| Signal status display | LED |
| Max. switching frequency | 2 Hz |
| Switching time off | 24 ms |
| Switching time on | 14 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 1600 µs |
| Max. negative test pulse with 1 signal | 3000 µs |
| Characteristic coil data | 24 V DC: 0.8 W |
| Permissible voltage fluctuations | +/-10% |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|---|---|
| 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 1 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 | 0 - No 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 | 65 g |
| Electrical connection | 3-pin<br>M8x1 A-encoded to EN 61076-2-104<br>Plug |
| Type of mounting | On manifold rail<br>With through-hole |
| Pneumatic connection, port 2 | Flange |
| Pneumatic connection, port 4 | Flange |
| Note on materials | RoHS compliant |
| Material seals | HNBR<br>NBR |
| Material housing | Wrought aluminium alloy |