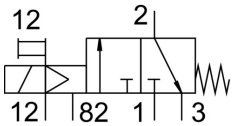
# Air solenoid valve
# VUVS-LT25-M32C-MZD-G14-F8-1C1

Part number: 8035170






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2, closed, monostable |
| 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 | -0.9 bar ... 10 bar |
| Structural design | Plate seat |
| Reset method | Mechanical spring |
| Certification | c UL us - Recognized (OL) |
| Degree of protection | IP65<br>With plug socket<br>as per IEC 60529 |
| Nominal width | 6.9 mm |
| Type code | VUVS |
| 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 | External |
| Flow direction | Non-reversible |
| Symbol | 00992145 |
| Lap | Underlap |
| Pilot pressure | 2.5 bar ... 10 bar |
| b-value | 0.4 |
| C value | 4.4 l/sbar |
| Switching time off | 23 ms |
| On switching time | 10 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 2000 µs |
| Max. negative test pulse on 1 signal | 3600 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] |

| 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 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Temperature of medium | -5 °C ... 60 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C ... 60 °C |
| Product weight | 260 g |
| Electrical connection | Form C<br>as per EN 175301-803 |
| Type of mounting | Optionally:<br>On terminal strip<br>With through-hole |
| Venting hole connection | Not ducted |
| Pilot exhaust air port 82 | M5 |
| Pilot air port 12 | M5 |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | G¼ |
| Pneumatic connection 3 | G1/4 |
| Note on materials | RoHS-compliant |
| Seals material | HNBR<br>NBR<br>TPE-U(PU) |
| Housing material | Die-cast aluminum<br>Painted |
| Material of screws | Steel, galvanized |