

Solenoid valve VUVS-LT20-M52-MD-N18-F7

Part number: 577506

FESTO



Data sheet

| Feature | Value |
|--|--|
| Valve function | 5/2-way, monostable |
| Type of actuation | Electric |
| Valve size | 21 mm |
| Standard nominal flow rate | 500 l/min |
| pneumatic working port | 1/8 NPT |
| Operating pressure | 0.3 MPa...1 MPa 3 bar...10 bar |
| Design | Poppet seat |
| Type of reset | Mechanical spring |
| Approval | c UL us - Recognized (OL) |
| Nominal size | 5 mm |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Manual override | Detenting Non-detenting |
| Type of piloting | Pilot actuated |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| lap | Underlap |
| b value | 0.31 |
| C value | 2.1 l/sbar |
| Switching time off | 19 ms |
| Switching time on | 15 ms |
| Max. positive test pulse with 0 signal | 1900 µs |
| Max. negative test pulse with 1 signal | 2700 µs |
| 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 2 to FN 942017-5 and EN 60068-2-27 |

| Feature | Value |
|--------------------------------|--|
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -10 °C...60 °C |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -10 °C...60 °C |
| Product weight | 167 g |
| Type of mounting | Either: On manifold rail With through-hole |
| Breather connection | Not ducted |
| Pilot exhaust port 84 | 10-32 UNF-2B |
| Pneumatic connection, port 1 | 1/8 NPT |
| Pneumatic connection, port 2 | 1/8 NPT |
| Pneumatic connection, port 3 | 1/8 NPT |
| Pneumatic connection, port 4 | 1/8 NPT |
| Pneumatic connection, port 5 | 1/8 NPT |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR TPE-U(PU) |
| Material housing | Die-cast aluminium Painted |
| Material screws | Galvanised steel |