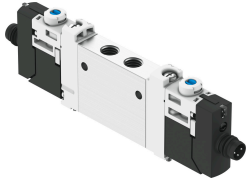


# Solenoid valve VUVG-LK10-B52-T-M7-1R8L-S

Part number: 8042552

FESTO



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 5/2 double solenoid  |
| Type of actuation                      | Electric   |
| Valve size                             | 10 mm  |
| Standard nominal flow rate             | 340 l/min  |
| pneumatic working port                 | M7   |
| Operating voltage                      | 24V DC   |
| Operating pressure                     | 0.15 MPa...0.7 MPa<br>1.5 bar...7 bar  |
| Design                                 | Piston slide with sealing ring   |
| Approval                               | c UL us - Recognized (OL)  |
| Certificate issuing authority          | UL MH19482   |
| Degree of protection                   | IP65   |
| Exhaust-air function                   | With flow control option   |
| Sealing principle                      | Soft   |
| Mounting position                      | optional   |
| Manual override                        | Detenting<br>Non-detenting   |
| Type of piloting                       | Pilot actuated   |
| Pilot air supply                       | Internal   |
| Flow direction                         | Non-reversible   |
| lap                                    | Positive overlap   |
| Signal status display                  | LED  |
| Max. switching frequency               | 2 Hz   |
| Switching time reversal                | 7 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]  |
| Note on operating and pilot medium     | Lubricated operation possible (in which case lubricated operation will always be required) |

| Feature                        | Value  |
|--------------------------------|--|
| 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                 | 57 g   |
| Electrical connection          | 3-pin<br>M8x1 A-encoded to EN 61076-2-104<br>Plugs                               |
| Type of mounting               | On manifold rail<br>With through-hole  |
| Pneumatic connection, port 2   | M7   |
| Pneumatic connection, port 4   | M7   |
| Note on materials              | RoHS-compliant   |
| Material seals                 | HNBR<br>NBR  |
| Material housing               | Wrought aluminium alloy  |