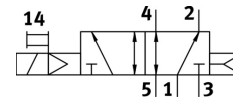
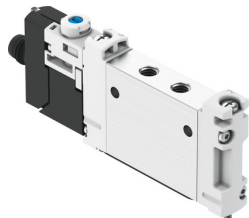


# Solenoid valve

## VUVG-LK10-M52-AT-M5-1R8L-S

Part number: 8042543

FESTO



General operating condition

## Data sheet

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                         | 5/2-way, monostable                                                                        |
| Type of actuation                      | Electric                                                                                   |
| Valve size                             | 10 mm                                                                                      |
| Standard nominal flow rate             | 195 l/min                                                                                  |
| pneumatic working port                 | M5                                                                                         |
| Operating voltage                      | 24V DC                                                                                     |
| Operating pressure                     | 0.25 MPa ... 0.7 MPa                                                                       |
| Operating pressure                     | 2.5 bar ... 7 bar                                                                          |
| Design                                 | Piston slide with sealing ring                                                             |
| Type of reset                          | Pneumatic spring                                                                           |
| 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                                                                             |
| Symbol                                 | 00992908                                                                                   |
| lap                                    | Overlap                                                                                    |
| Signal status display                  | LED                                                                                        |
| Max. switching frequency               | 2 Hz                                                                                       |
| Switching time off                     | 17 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]                                                  |
| 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                 | 45 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   | M5                                                                               |
| Pneumatic connection, port 4   | M5                                                                               |
| Note on materials              | RoHS-compliant                                                                   |
| Material seals                 | HNBR<br>NBR                                                                      |
| Material housing               | Wrought aluminium alloy                                                          |