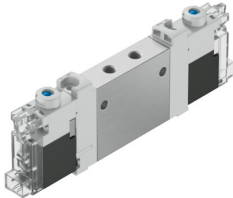


# Air solenoid valve VUVG-LK10-B52-T-M5-1H2L-S

Part number: 8042540

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 5/2, bistable                                                                        |
| Actuation type                           | Electrical                                                                           |
| Valve size                               | 10 mm                                                                                |
| Standard nominal flow rate               | 195 l/min                                                                            |
| Pneumatic working port                   | M5                                                                                   |
| Operating voltage                        | 24V DC                                                                               |
| Operating pressure                       | 0.15 MPa ... 0.7 MPa                                                                 |
| Operating pressure                       | 1.5 bar ... 7 bar                                                                    |
| Structural design                        | Piston slide with sealing ring                                                       |
| Certification                            | c UL us - Recognized (OL)                                                            |
| Certificate issuing authority            | UL MH19482                                                                           |
| Degree of protection                     | IP40                                                                                 |
| 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                    | Internal                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Symbol                                   | 00992897                                                                             |
| Lap                                      | Overlap                                                                              |
| Signal status display                    | LED                                                                                  |
| Max. switching frequency                 | 2 Hz                                                                                 |
| Changeover time                          | 8 ms                                                                                 |
| Duty cycle                               | 100%                                                                                 |
| Max. positive test pulse with 0 signal   | 1600 µs                                                                              |
| Max. negative test pulse on 1 signal     | 3000 µs                                                                              |
| Coil characteristics                     | 24 V DC: 0.8 W                                                                       |
| Permissible voltage fluctuations         | +/- 10 %                                                                             |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                   |
| Vibration resistance                     | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC)         | 0 - No corrosion stress                                                              |

| Feature                | Value                                                        |
|------------------------|--------------------------------------------------------------|
| LABS (PWIS) conformity | VDMA24364 zone III                                           |
| Temperature of medium  | -5 °C ... 50 °C                                              |
| Pilot medium           | Compressed air as per ISO 8573-1:2010 [7:4:4]                |
| Ambient temperature    | -5 °C ... 50 °C                                              |
| Product weight         | 57 g                                                         |
| Electrical connection  | 2-pin<br>Connection diagram H, horizontal connection<br>Plug |
| Type of mounting       | With through-hole                                            |
| Pneumatic connection 2 | M5                                                           |
| Pneumatic connection 4 | M5                                                           |
| Note on materials      | RoHS-compliant                                               |
| Seals material         | HNBR<br>NBR                                                  |
| Housing material       | Wrought aluminum alloy                                       |