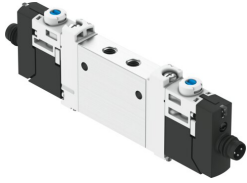


# Air solenoid valve VUVG-LK10-B52-T-M5-1R8L-S

FESTO

Part number: 8042544



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2-way, bistable  |
| Actuation type                                    | Electrical   |
| Valve size  | 10 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 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                              | IP65   |
| Exhaust air function                              | Adjustable   |
| Sealing principle                                 | Soft   |
| Mounting position                                 | Any  |
| Manual override                                   | Detenting<br>Non-detenting   |
| Type of control                                   | Piloted  |
| Pilot air supply port                             | Internal   |
| Flow direction                                    | Non-reversible   |
| Symbol  | 00992897   |
| Lap   | Positive 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  |

| <b>Feature</b>         | <b>Value</b>                                  |
|------------------------|---|
| 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  | M8x1 A-coded as per EN 61076-2-104<br>Plug    |
| Type of mounting       | On terminal strip<br>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                        |