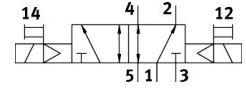
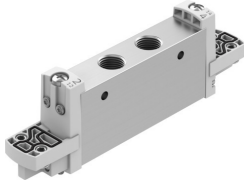



# Solenoid valve VUVG-L14-B52-G18-P1

Part number: 8033531

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2 bistable   |
| Type of actuation                                     | Electric   |
| Valve size  | 14 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 700 l/min ... 780 l/min  |
| pneumatic working port                                | G1/8   |
| Operating pressure                                    | 0.15 MPa ... 0.8 MPa   |
| Operating pressure                                    | 1.5 bar ... 8 bar  |
| Design  | Piston gate valve  |
| Approval  | c UL us - Recognized (OL)  |
| Certificate issuing authority                         | UL MH19482   |
| Degree of protection                                  | IP65<br>With electric pilot valve and plug socket  |
| Nominal size  | 5.6 mm   |
| Exhaust-air function                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Symbol  | 00992897   |
| lap   | Overlap  |
| Pilot pressure  | 0.15 MPa ... 0.8 MPa   |
| Pilot pressure  | 1.5 bar ... 8 bar  |
| Suitability for vacuum                                | no   |
| Switching time reversal                               | 12 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 700 µs   |
| Max. negative test pulse with 1 signal                | 900 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                          |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L  |
| Cleanroom class                                       | Class 5 according to ISO 14644-1   |

| Feature                      | Value  |
|------------------------------|--|
| Media temperature            | -5 °C ... 60 °C                                  |
| Ambient temperature          | -5 °C ... 60 °C                                  |
| Product weight               | 65 g   |
| Electrical connection        | Via electric pilot valve                         |
| Type of mounting             | Either:<br>On manifold rail<br>With through-hole |
| Pneumatic connection, port 1 | G1/8   |
| Pneumatic connection, port 2 | G1/8   |
| Pneumatic connection, port 3 | G1/8   |
| Pneumatic connection, port 4 | G1/8   |
| Pneumatic connection, port 5 | G1/8   |
| Pilot control interface      | To ISO 15218                                     |
| Note on materials            | RoHS-compliant                                   |
| Material seals               | HNBR<br>NBR                                      |
| Material housing             | Wrought aluminium alloy                          |