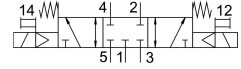


# Air solenoid valve VUVG-L14-P53C-G18-P1

Part number: 8033532

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/3, closed  |
| Actuation type                           | Electrical   |
| Valve size                               | 14 mm  |
| Standard nominal flow rate               | 620 l/min...650 l/min  |
| Pneumatic working port                   | G1/8   |
| Operating pressure                       | 0.3 MPa...0.8 MPa<br>3 bar...8 bar                                 |
| Structural design                        | Piston gate valve  |
| Reset method                             | Mechanical spring  |
| Certification                            | c UL us - Recognized (OL)  |
| Certificate issuing authority            | UL MH19482   |
| Degree of protection                     | IP65<br>With electrical pilot valve and plug socket                |
| Nominal width                            | 5.6 mm   |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | Internal   |
| Lap                                      | Overlap  |
| Pilot pressure MPa                       | 0.3 MPa...0.8 MPa  |
| Pilot pressure                           | 3 bar...8 bar  |
| Suitability for vacuum                   | no   |
| Switching time off                       | 24 ms  |
| On switching time                        | 14 ms  |
| Changeover time                          | 20 ms  |
| Duty cycle                               | 100%   |
| Max. positive test pulse with 0 signal   | 700 µs   |
| Max. negative test pulse on 1 signal     | 900 µs   |
| 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) |

| Feature                          | Value  |
|----------------------------------|--|
| Vibration resistance             | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                 | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L  |
| Temperature of medium            | -5 °C...60 °C  |
| Ambient temperature              | -5 °C...60 °C  |
| Product weight                   | 65 g   |
| Electrical connection            | Via electric pilot valve   |
| Type of mounting                 | Optionally:<br>On terminal strip<br>With through-hole                                |
| Pneumatic connection 1           | G1/8   |
| Pneumatic connection 2           | G1/8   |
| Pneumatic connection 3           | G1/8   |
| Pneumatic connection 4           | G1/8   |
| Pneumatic connection 5           | G1/8   |
| Pilot interface                  | as per ISO 15218   |
| Note on materials                | RoHS-compliant   |
| Seals material                   | HNBR<br>NBR  |
| Housing material                 | Wrought aluminum alloy   |