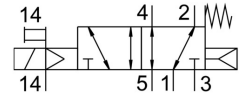
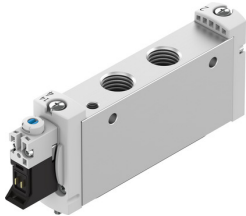


# Air solenoid valve VUVG-L18-M52-RZT-G14-1P3

Part number: 574437

**FESTO**



## Data sheet

| Feature                                | Value                                                                        |
|----------------------------------------|------------------------------------------------------------------------------|
| Valve function                         | 5/2, monostable                                                              |
| Lap                                    | Indefinite overlap                                                           |
| Operating pressure                     | -0.09 MPa ... 1 MPa                                                          |
| Pilot pressure MPa                     | 0.25 MPa ... 0.8 MPa                                                         |
| Actuation type                         | Electrical                                                                   |
| Valve size                             | 18 mm                                                                        |
| Standard nominal flow rate             | 1300 l/min                                                                   |
| Pneumatic working port                 | G1/4                                                                         |
| Operating voltage                      | 24V DC                                                                       |
| Operating pressure                     | -0.9 bar ... 10 bar                                                          |
| Design                                 | Piston gate valve                                                            |
| Reset method                           | Mechanical spring<br>Pneumatic spring                                        |
| Degree of protection                   | IP40<br>IP65<br>With plug socket                                             |
| Certification                          | RCM compliance mark<br>c CSA us (OL)<br>c UL us - Recognized (OL)            |
| Nominal width                          | 6.9 mm                                                                       |
| Type code                              | VUVG                                                                         |
| Exhaust air function                   | With flow control option                                                     |
| Sealing principle                      | Soft                                                                         |
| Mounting position                      | Any                                                                          |
| Manual override                        | Detenting<br>Non-detenting<br>Covered                                        |
| Type of control                        | Pilot-controlled                                                             |
| Pilot air supply port                  | External                                                                     |
| Symbol                                 | 00992865                                                                     |
| Pilot pressure                         | 2.5 bar ... 8 bar                                                            |
| Switching time off                     | 31 ms                                                                        |
| On switching time                      | 15 ms                                                                        |
| Duty cycle                             | 100%                                                                         |
| Max. positive test pulse with 0 signal | 700 µs                                                                       |
| Max. negative test pulse on 1 signal   | 900 µs                                                                       |
| Coil characteristics                   | 24 V DC: 1.0 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 W |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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 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                |
| Restricted ambient and media temperature | -5 - 50 °C<br>Without holding power reduction                                        |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                                        |
| Temperature of medium                    | -5 °C ... 60 °C                                                                      |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Ambient temperature                      | -5 °C ... 60 °C                                                                      |
| Product weight                           | 154 g                                                                                |
| Electrical connection                    | Via electrical sub-base                                                              |
| Type of mounting                         | Optionally:<br>On terminal strip<br>With through-hole                                |
| Pilot air port 12/14                     | M5                                                                                   |
| Pneumatic connection 1                   | G1/4                                                                                 |
| Pneumatic connection 2                   | G1/4                                                                                 |
| Pneumatic connection 3                   | G1/4                                                                                 |
| Pneumatic connection 4                   | G1/4                                                                                 |
| Pneumatic connection 5                   | G1/4                                                                                 |
| Note on materials                        | RoHS-compliant                                                                       |
| Seals material                           | HNBR<br>NBR                                                                          |
| Housing material                         | Wrought aluminum alloy                                                               |