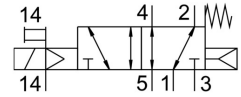
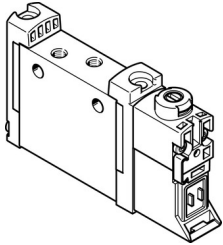


# Air solenoid valve VUVG-L10A-M52-RZT-M3-1P3

FESTO

Part number: 566443



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 5/2, monostable  |
| Actuation type                         | Electrical   |
| Valve size                             | 10 mm  |
| Standard nominal flow rate             | 100 l/min  |
| Pneumatic working port                 | M3   |
| Operating voltage                      | 24V DC   |
| Operating pressure                     | -0.09 MPa ... 1 MPa  |
| Operating pressure                     | -0.9 bar ... 10 bar  |
| Structural design                      | Piston gate valve  |
| Reset method                           | Mechanical spring<br>Pneumatic spring  |
| Certification                          | RCM compliance mark<br>c UL us - Recognized (OL)                             |
| Degree of protection                   | IP40<br>IP65<br>With plug socket   |
| Nominal width                          | 2 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   |
| Lap                                    | Overlap  |
| Pilot pressure MPa                     | 0.25 MPa ... 0.8 MPa   |
| Pilot pressure                         | 2.5 bar ... 8 bar  |
| Suitability for vacuum                 | yes  |
| Switching time off                     | 15 ms  |
| On switching time                      | 7 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 |
| Restricted ambient and media temperature | -5 - 50 °C<br>Without holding power reduction  |
| 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  |
| 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                           | 38 g   |
| Electrical connection                    | Via electrical sub-base  |
| Type of mounting                         | Optionally:<br>On terminal strip<br>With through-hole                                |
| Pilot air port 12/14                     | M3   |
| Pneumatic connection 1                   | M3   |
| Pneumatic connection 2                   | M3   |
| Pneumatic connection 3                   | M3   |
| Pneumatic connection 4                   | M3   |
| Pneumatic connection 5                   | M3   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR  |
| Housing material                         | Wrought aluminum alloy   |