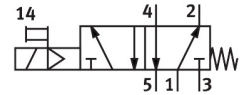
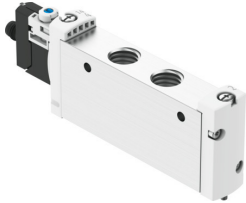


# Solenoid valve VUVG-L18-M52-MT-G14-1R8L

Part number: 8031532

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, monostable  |
| Type of actuation                                     | Electric   |
| Valve size  | 18 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 1300 l/min   |
| pneumatic working port                                | G1/4   |
| Operating voltage                                     | 24V DC   |
| Operating pressure                                    | 0.3 MPa ... 0.8 MPa  |
| Operating pressure                                    | 3 bar ... 8 bar  |
| Design  | Piston gate valve  |
| Type of reset   | Mechanical spring  |
| Approval  | RCM trademark<br>c UL us - Recognized (OL)   |
| Degree of protection                                  | IP65<br>With plug socket   |
| Nominal size  | 6.9 mm   |
| Exhaust-air function                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | Detenting<br>Non-detenting<br>Covered  |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Symbol  | 00991003   |
| lap   | Indefinite overlap   |
| Pilot pressure  | 0.3 MPa ... 0.8 MPa  |
| Pilot pressure  | 3 bar ... 8 bar  |
| Switching time off                                    | 45 ms  |
| Switching time on                                     | 10 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 700 µs   |
| Max. negative test pulse with 1 signal                | 900 µs   |
| Characteristic coil data                              | 24 V DC: 1.0 W   |
| Permissible voltage fluctuations                      | +/- 10 %   |
| 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) |

| <b>Feature</b>                                       | <b>Value</b>   |
|--|--|
| Vibration resistance                                 | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Restrictions for environmental and media temperature | -5 ... 50° C<br>Without holding current reduction                                |
| 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   |
| Media temperature                                    | -5 °C ... 60 °C  |
| Ambient temperature                                  | -5 °C ... 60 °C  |
| Product weight                                       | 154 g  |
| Electrical connection                                | Via electrical sub-base  |
| Type of mounting                                     | Either:<br>On manifold rail<br>With through-hole                                 |
| Pneumatic connection, port 1                         | G1/4   |
| Pneumatic connection, port 2                         | G1/4   |
| Pneumatic connection, port 4                         | G1/4   |
| Pneumatic connection, port 5                         | G1/4   |
| Note on materials                                    | RoHS-compliant   |
| Material seals                                       | HNBR<br>NBR  |
| Material housing                                     | Wrought aluminium alloy  |