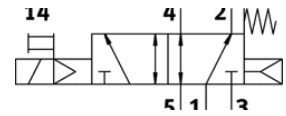
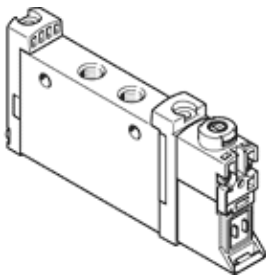


# solenoid valve

## VUVG-L10-M52-RT-M5-1P3

Part number: 566457

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Valve function                             | 5/2 monostable   |
| Type of actuation                          | electrical   |
| Valve size                                 | 10 mm  |
| Standard nominal flow rate                 | 220 l/min  |
| Operating pressure MPa                     | 0.25 ... 0.8 MPa   |
| Operating pressure                         | 2.5 ... 8 bar  |
| Design structure                           | Piston slide   |
| Type of reset                              | mechanical spring<br>Air spring  |
| Authorisation                              | RCM Mark<br>c UL us - Recognized (OL)  |
| Protection class                           | IP40<br>IP65<br>with plug socket   |
| Nominal size                               | 3.2 mm   |
| Exhaust-air function                       | throttlicable  |
| Sealing principle                          | soft   |
| Assembly position                          | Any  |
| Manual override                            | detenting<br>Pushing<br>Covered  |
| Type of piloting                           | Piloted  |
| Pilot air supply                           | Internal   |
| Overlap                                    | Positive overlap   |
| Pilot pressure MPa                         | 0.25 ... 0.8 MPa   |
| Pilot pressure                             | 2.5 ... 8 bar  |
| Suitability for vacuum                     | No   |
| Switching time off                         | 17 ms  |
| Switching time on                          | 7 ms   |
| Duty cycle                                 | 100 %  |
| Max. positive test pulse with logic 0      | 700 µs   |
| Max. negative test pulse with logic 1      | 900 µs   |
| Characteristic coil data                   | 24 V DC: 1 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 W                     |
| Permissible voltage fluctuation            | +/- 10 %   |
| Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium         | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                       | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Restriction ambient and medium temperature | Without holding current reduction<br>-5 - 50 °C  |
| Shock resistance                           | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC    | 2 - Moderate corrosion stress  |
| PWIS conformity                            | VDMA24364-B1/B2-L  |

| Feature                      | Value   |
|------------------------------|---|
| Medium temperature           | -5 ... 60 °C                                      |
| Ambient temperature          | -5 ... 60 °C                                      |
| Product weight               | 45 g  |
| Electrical connection        | Via electrical connection plate                   |
| Mounting type                | on manifold rail<br>with through hole<br>Optional |
| Pneumatic connection, port 1 | M5  |
| Pneumatic connection, port 2 | M5  |
| Pneumatic connection, port 3 | M5  |
| Pneumatic connection, port 4 | M5  |
| Pneumatic connection, port 5 | M5  |
| Materials note               | Conforms to RoHS                                  |
| Material seals               | HNBR<br>NBR                                       |
| Material housing             | Wrought Aluminium alloy                           |