

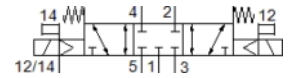
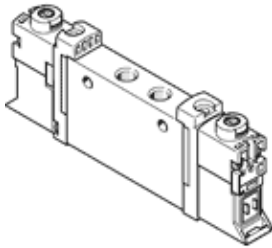
# Solenoid valve

## VUVG-L10-P53C-ZT-M7-1P3

Part number: 566484

**FESTO**

This type is suitable for vacuum.



## Data sheet

| Feature                                    | values  |
|--|---|
| Valve function                             | 5/3 closed  |
| Type of actuation                          | electrical  |
| Valve size                                 | 10 mm   |
| Standard nominal flow rate                 | 300 ... 320 l/min   |
| Working pressure                           | -0.9 ... 10 bar   |
| Design structure                           | Piston slide  |
| Protection class                           | IP40<br>IP65<br>with plug socket  |
| Authorization                              | RCM Mark<br>c CSA us (OL)<br>c UL us - Recognized (OL)                      |
| Nominal size                               | 3.5 mm  |
| Exhaust-air function                       | throttleable  |
| Sealing principle                          | soft  |
| Assembly position                          | Any   |
| Manual override                            | detenting<br>Pushing<br>Covered   |
| Type of piloting                           | Piloted   |
| Pilot air supply                           | external  |
| Note on forced dynamisation                | Switching frequency at least once a week                                    |
| Pilot pressure                             | 3 ... 8 bar   |
| Suitability for vacuum                     | Yes   |
| Switching time off                         | 30 ms   |
| Switching time on                          | 10 ms   |
| Switching time reversal                    | 15 ms   |
| Duty cycle                                 | 100%  |
| 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) |
| Restriction ambient and medium temperature | -5 - 50 °C<br>Without holding current reduction                             |
| Corrosion resistance classification CRC    | 2   |
| Medium temperature                         | -5 ... 60 °C  |
| Pilot medium                               | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Ambient temperature                        | -5 ... 60 °C  |
| Product weight                             | 55 g  |
| Electrical connection                      | Via electrical connection plate   |
| Mounting type                              | Optional<br>on manifold rail  |

| Feature                         | values                 |
|---------------------------------|------------------------|
|                                 | with through hole      |
| Auxiliary pilot air port 12/14  | M3                     |
| Pneumatic connection, port 1    | M7                     |
| Pneumatic connection, port 2    | M7                     |
| Pneumatic connection, port 3    | M7                     |
| Pneumatic connection, port 4    | M7                     |
| Pneumatic connection, port 5    | M7                     |
| Materials note                  | Conforms to RoHS       |
| Materials information for seals | HNBR<br>NBR            |
| Materials information, housing  | Wrought Aluminum alloy |