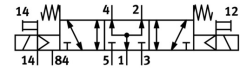
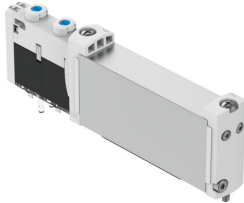


# Solenoid valve VUVG-B14-P53U-ZT-F-1T1L

Part number: 573487

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                | Value                                     |
|----------------------------------------|-------------------------------------------|
| Valve function                         | 5/3-way, pressurised                      |
| Type of actuation                      | Electric                                  |
| Valve size                             | 14 mm                                     |
| Standard nominal flow rate             | 470 l/min                                 |
| pneumatic working port                 | Flange                                    |
| Operating voltage                      | 24V DC                                    |
| Operating pressure                     | -0.09 MPa ... 1 MPa                       |
| Operating pressure                     | -0.9 bar ... 10 bar                       |
| Design                                 | Piston gate valve                         |
| Type of reset                          | Mechanical spring                         |
| Approval                               | c UL us - Recognized (OL)                 |
| Degree of protection                   | IP65<br>IP67                              |
| Exhaust-air function                   | With flow control option                  |
| Sealing principle                      | Soft                                      |
| Mounting position                      | optional                                  |
| Manual override                        | Detenting<br>Non-detenting                |
| Type of piloting                       | Pilot actuated                            |
| Pilot air supply                       | External                                  |
| Flow direction                         | Reversible                                |
| Symbol                                 | 00991128                                  |
| lap                                    | Overlap                                   |
| Signal status display                  | LED                                       |
| Pilot pressure                         | 0.3 MPa ... 0.8 MPa                       |
| Pilot pressure                         | 3 bar ... 8 bar                           |
| Max. switching frequency               | 3 Hz                                      |
| Switching time off                     | 42 ms                                     |
| Switching time on                      | 15 ms                                     |
| Switching time reversal                | 25 ms                                     |
| Duty cycle                             | 100%                                      |
| Max. positive test pulse with 0 signal | 1600 µs                                   |
| Max. negative test pulse with 1 signal | 3000 µs                                   |
| Characteristic coil data               | 22 V DC: 1.0 W                            |
| Permissible voltage fluctuations       | +/- 10 %                                  |
| Operating medium                       | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance               | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| 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                                                                          |
| Media temperature                  | -5 °C ... 60 °C                                                                            |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                | -5 °C ... 60 °C                                                                            |
| Product weight                     | 95 g                                                                                       |
| Electrical connection              | Via sub-base                                                                               |
| Type of mounting                   | On manifold rail                                                                           |
| Note on materials                  | RoHS-compliant                                                                             |
| Material seals                     | HNBR<br>NBR                                                                                |
| Material housing                   | Wrought aluminium alloy                                                                    |