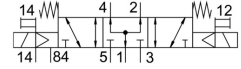
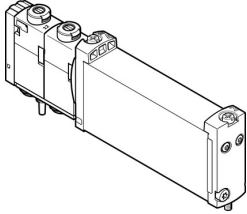


# Air solenoid valve

## VUVG-B14-P53U-ZT-F-1T1L-EX2C

FESTO

Part number: 8041969



### Data sheet

| Feature                                | Value   |
|--|---|
| Valve function                         | 5/3, pressurized                              |
| Actuation type                         | Electrical                                    |
| 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                           |
| Structural design                      | Piston gate valve                             |
| Certification                          | c UL us - Recognized (OL)                     |
| Degree of protection                   | IP65<br>IP67                                  |
| Type code                              | VUVG  |
| Exhaust air function                   | With flow control option                      |
| Sealing principle                      | Soft  |
| Mounting position                      | Any   |
| Manual override                        | Detenting<br>Non-detenting                    |
| Type of control                        | Pilot-controlled                              |
| Pilot air supply port                  | External                                      |
| Flow direction                         | Reversible                                    |
| Symbol                                 | 00991128                                      |
| Lap                                    | Overlap                                       |
| Signal status display                  | LED   |
| Pilot pressure MPa                     | 0.3 MPa ... 0.8 MPa                           |
| Pilot pressure                         | 3 bar ... 8 bar                               |
| Max. switching frequency               | 3 Hz  |
| Switching time off                     | 42 ms   |
| On switching time                      | 15 ms   |
| Changeover time                        | 25 ms   |
| Duty cycle                             | 100%  |
| Max. positive test pulse with 0 signal | 1600 µs                                       |
| Max. negative test pulse on 1 signal   | 3000 µs                                       |
| Coil characteristics                   | 22 V DC: 1.0 W                                |
| Permissible voltage fluctuations       | +/- 10 %                                      |
| Operating medium                       | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| <b>Feature</b>                           | <b>Value</b>   |
|--|--|
| 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 |
| 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                           | 95 g   |
| Electrical connection                    | Via sub-base   |
| Type of mounting                         | On terminal strip  |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR  |
| Housing material                         | Wrought aluminum alloy   |