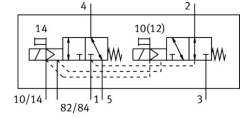
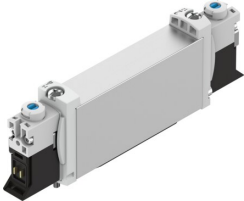


# Air solenoid valve VUVG-B14-T32H-MZT-F-1P3

Part number: 574378

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                | Value                                                                        |
|----------------------------------------|------------------------------------------------------------------------------|
| Valve function                         | 2x3/2, open/closed, monostable                                               |
| Actuation type                         | Electrical                                                                   |
| Valve size                             | 14 mm                                                                        |
| Standard nominal flow rate             | 410 l/min ... 450 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                                                            |
| Reset method                           | Mechanical spring                                                            |
| Certification                          | RCM compliance mark<br>c UL us - Recognized (OL)                             |
| Degree of protection                   | IP40<br>IP65<br>With plug socket                                             |
| Nominal width                          | 4.3 mm                                                                       |
| Exhaust air function                   | With flow control option                                                     |
| Sealing principle                      | Soft                                                                         |
| Mounting position                      | Any                                                                          |
| Manual override                        | Detenting<br>Non-detenting<br>Covered                                        |
| Type of control                        | Pilot-controlled                                                             |
| Pilot air supply port                  | External                                                                     |
| Symbol                                 | 00992947                                                                     |
| Lap                                    | Overlap                                                                      |
| Pilot pressure MPa                     | 0.3 MPa ... 0.8 MPa                                                          |
| Pilot pressure                         | 3 bar ... 8 bar                                                              |
| Suitability for vacuum                 | yes                                                                          |
| Switching time off                     | 18 ms                                                                        |
| On switching time                      | 12 ms                                                                        |
| Duty cycle                             | 100%                                                                         |
| Max. positive test pulse with 0 signal | 700 µs                                                                       |
| Max. negative test pulse on 1 signal   | 900 µs                                                                       |
| Coil characteristics                   | 24 V DC: 1.0 W<br>24 V DC: low-current phase 0.3 W, high-current phase 1.0 W |
| Permissible voltage fluctuations       | +/- 10 %                                                                     |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| 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 |
| Restricted ambient and media temperature | -5 - 50 °C<br>Without holding power reduction                                        |
| 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                                                        |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                    |
| Cleanroom class                          | Class 5 according to ISO 14644-1                                                     |
| 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                           | 80 g                                                                                 |
| Electrical connection                    | Via electrical sub-base                                                              |
| Type of mounting                         | On terminal strip                                                                    |
| Note on materials                        | RoHS-compliant                                                                       |
| Seals material                           | HNBR<br>NBR                                                                          |
| Housing material                         | Wrought aluminum alloy                                                               |