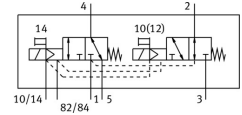
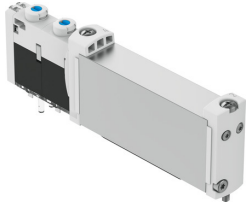


# Air solenoid valve

## VUVG-B14-T32H-MZT-F-1T1L

FESTO

Part number: 573481



 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               | 440 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                            | c UL us - Recognized (OL)  |
| Degree of protection                     | IP65<br>IP67   |
| 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                                   | 00992947   |
| Lap                                      | Overlap  |
| Signal status display                    | LED  |
| Pilot pressure MPa                       | 0.2 MPa ... 0.8 MPa  |
| Pilot pressure                           | 2 bar ... 8 bar  |
| Max. switching frequency                 | 3 Hz   |
| Switching time off                       | 21 ms  |
| On switching time                        | 13 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]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |

| <b>Feature</b>                   | <b>Value</b>   |
|----------------------------------|--|
| 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  |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L  |
| 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                   | 100 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   |