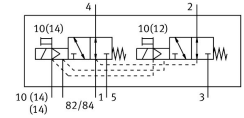
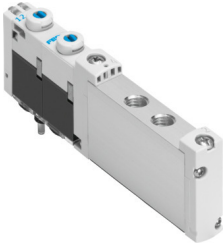


# Air solenoid valve

## VUVG-S10-T32U-MZT-M5-1T1L

Part number: 573390

**FESTO**



## Data sheet

| Feature                                | Value                                  |
|--|--|
| Valve function                         | 2x3/2, open, monostable                |
| Actuation type                         | Electrical                             |
| Valve size                             | 10 mm                                  |
| Standard nominal flow rate             | 130 l/min                              |
| Pneumatic working port                 | M5                                     |
| Operating voltage                      | 24V DC                                 |
| Operating pressure                     | -0.09 MPa...1 MPa<br>-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                             |
| 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                     | 20 ms                                  |
| On switching time                      | 10 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                         |

| Feature                                  | Value  |
|--|--|
| 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)                   |
| 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                           | 59 g   |
| Electrical connection                    | Via sub-base   |
| Type of mounting                         | On terminal strip  |
| Pneumatic connection 2                   | M5   |
| Pneumatic connection 4                   | M5   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR  |
| Housing material                         | Wrought aluminum alloy   |