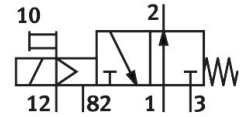


# Air solenoid valve

## VUVS-LT25-M32U-MZD-G14-F8-1C1

Part number: 8035177

**FESTO**



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 3/2, open, monostable                        |
| Actuation type                         | Electrical                                   |
| Valve size                             | 26.5 mm                                      |
| Standard nominal flow rate             | 1000 l/min                                   |
| Pneumatic working port                 | G1/4   |
| Operating voltage                      | 24V DC                                       |
| Operating pressure                     | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar       |
| Structural design                      | Plate seat                                   |
| Reset method                           | Mechanical spring                            |
| Certification                          | c UL us - Recognized (OL)                    |
| Degree of protection                   | IP65<br>With plug socket<br>as per IEC 60529 |
| Nominal width                          | 6.6 mm                                       |
| 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                         | Non-reversible                               |
| Lap                                    | Underlap                                     |
| Pilot pressure MPa                     | 0.25 MPa...1 MPa                             |
| Pilot pressure                         | 2.5 bar...10 bar                             |
| b-value                                | 0.3  |
| C value                                | 4.2 l/sbar                                   |
| Switching time off                     | 27 ms  |
| On switching time                      | 10 ms  |
| Duty cycle                             | 100%   |
| Max. positive test pulse with 0 signal | 2000 µs                                      |

| Feature                                  | Value  |
|--|--|
| Max. negative test pulse on 1 signal     | 3600 µs  |
| Coil characteristics                     | 24 V DC: 3.3 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)                   |
| 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  |
| Cleanroom class                          | Class 6 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                           | 260 g  |
| Electrical connection                    | Form C<br>as per EN 175301-803   |
| Type of mounting                         | On terminal strip<br>With through-hole<br>Optionally:                                |
| Venting hole connection                  | Not ducted   |
| Pilot exhaust air port 82                | M5   |
| Pilot air port 12                        | M5   |
| Pneumatic connection 1                   | G1/4   |
| Pneumatic connection 2                   | G¼   |
| Pneumatic connection 3                   | G1/4   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR<br>TPE-U(PU)   |
| Housing material                         | Die-cast aluminum<br>Painted   |
| Material of screws                       | Steel, galvanized  |