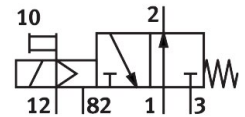


# Solenoid valve

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

Part number: 8035175

**FESTO**



## Data sheet

| Feature                                               | Value                                         |
|-------------------------------------------------------|-----------------------------------------------|
| Valve function                                        | 3/2 open, monostable                          |
| Type of actuation                                     | Electric                                      |
| Valve size                                            | 26.5 mm                                       |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min                                    |
| pneumatic working port                                | G1/4                                          |
| Operating voltage                                     | Via solenoid coil, must be ordered separately |
| Operating pressure                                    | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar        |
| Design                                                | Poppet seat                                   |
| Type of reset                                         | Mechanical spring                             |
| Approval                                              | c UL us - Recognized (OL)                     |
| Nominal size                                          | 6.6 mm                                        |
| Exhaust-air function                                  | With flow control option                      |
| Sealing principle                                     | Soft                                          |
| Mounting position                                     | optional                                      |
| Manual override                                       | Detenting<br>Non-detenting                    |
| Type of piloting                                      | Pilot actuated                                |
| Pilot air supply                                      | External                                      |
| Flow direction                                        | Non-reversible                                |
| lap                                                   | Underlap                                      |
| Pilot pressure                                        | 0.25 MPa...1 MPa<br>2.5 bar...10 bar          |
| b value                                               | 0.3                                           |
| C value                                               | 4.2 l/sbar                                    |
| Switching time off                                    | 27 ms                                         |
| Switching time on                                     | 10 ms                                         |
| Max. positive test pulse with 0 signal                | 2000 µs                                       |
| Max. negative test pulse with 1 signal                | 3600 µs                                       |
| Characteristic coil data                              | See solenoid coil, to be ordered separately   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]     |

| Feature                                                   | Value                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Note on operating and pilot medium                        | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance                                      | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                                          | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |
| Corrosion resistance class CRC                            | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                                                          |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                                           |
| Media temperature                                         | -5 °C...60 °C                                                                              |
| Pilot medium                                              | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                                       | -5 °C...60 °C                                                                              |
| Product weight                                            | 208 g                                                                                      |
| Type of mounting                                          | Either:<br>On manifold rail<br>With through-hole                                           |
| Breather connection                                       | Not ducted                                                                                 |
| Pilot exhaust port 82                                     | M5                                                                                         |
| Pilot air port 12                                         | M5                                                                                         |
| Pneumatic connection, port 1                              | G1/4                                                                                       |
| Pneumatic connection, port 2                              | G1/4                                                                                       |
| Pneumatic connection, port 3                              | G1/4                                                                                       |
| Note on materials                                         | RoHS-compliant                                                                             |
| Material seals                                            | HNBR<br>NBR<br>TPE-U(PU)                                                                   |
| Material housing                                          | Die-cast aluminium<br>Painted                                                              |
| Material screws                                           | Galvanised steel                                                                           |