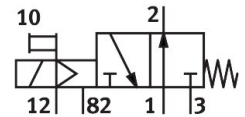


# Solenoid valve

## VUVS-LT30-M32U-MZD-G38-F8-1B2

Part number: 8036684

**FESTO**



## Data sheet

| Feature                                               | Value                                    |
|-------------------------------------------------------|------------------------------------------|
| Valve function                                        | 3/2 open, monostable                     |
| Type of actuation                                     | Electric                                 |
| Valve size                                            | 31 mm                                    |
| Standard nominal flow rate (standardised to DIN 1343) | 1600 l/min                               |
| pneumatic working port                                | G3/8                                     |
| Operating voltage                                     | 24V DC                                   |
| Operating pressure                                    | 0.1 MPa...1 MPa<br>1 bar...10 bar        |
| Design                                                | Poppet seat                              |
| Type of reset                                         | Mechanical spring                        |
| Approval                                              | c UL us - Recognized (OL)                |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529 |
| Nominal size                                          | 7.9 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                                               | 0.2                                      |
| C value                                               | 7 l/sbar                                 |
| Switching time off                                    | 36 ms                                    |
| Switching time on                                     | 14 ms                                    |
| Duty cycle                                            | 100%                                     |
| Max. positive test pulse with 0 signal                | 2000 µs                                  |
| Max. negative test pulse with 1 signal                | 3600 µs                                  |

| Feature                                                   | Value                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Characteristic coil data                                  | 24 V DC: 3.3 W                                                                             |
| Permissible voltage fluctuations                          | +/- 10 %                                                                                   |
| Operating medium                                          | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| 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                                         | -10 °C...60 °C                                                                             |
| Pilot medium                                              | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                                       | -10 °C...60 °C                                                                             |
| Product weight                                            | 359 g                                                                                      |
| Electrical connection                                     | Type B<br>To industry standard (11 mm)                                                     |
| 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                                         | G1/8                                                                                       |
| Pneumatic connection, port 1                              | G3/8                                                                                       |
| Pneumatic connection, port 2                              | G3/8                                                                                       |
| Pneumatic connection, port 3                              | G3/8                                                                                       |
| Note on materials                                         | RoHS-compliant                                                                             |
| Material seals                                            | HNBR<br>NBR<br>TPE-U(PU)                                                                   |
| Material housing                                          | Painted die cast aluminium                                                                 |
| Material piston slide                                     | Wrought aluminium alloy                                                                    |
| Material screws                                           | Galvanised steel                                                                           |