

# Solenoid valve

## VUVS-LT30-M52-MD-G38-F8-1C1

FESTO

Part number: 8036688



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, single solenoid   |
| Type of actuation                                     | Electrical   |
| Valve size  | 31 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 1800 l/min   |
| pneumatic working port                                | G3/8   |
| Operating voltage                                     | 24 V DC  |
| Operating pressure                                    | 0.25 MPa ... 1 MPa   |
| Operating pressure                                    | 2.5 bar ... 10 bar   |
| Design  | Poppet seat  |
| Type of reset   | Mechanical spring  |
| Approval  | c UL us - Recognised (Oil)   |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529   |
| Nominal size  | 8.1 mm   |
| Exhaust-air function                                  | Can be throttled   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | Any  |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Piloted  |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991035   |
| lap   | Underlap   |
| b value   | 0.3  |
| C value   | 9.9 l/sbar   |
| Switching time off                                    | 26 ms  |
| Switching time on                                     | 17 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 2000 µs  |
| Max. negative test pulse with 1 signal                | 3600 µs  |
| 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) |

| Feature   | Value  |
|---|--|
| 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  | 486 g  |
| Electrical connection                                     | Type C<br>To EN 175301-803   |
| Type of mounting  | On manifold rail<br>With through-hole  |
| Breather connection                                       | Not ducted   |
| Pilot exhaust port 84                                     | M5   |
| Pneumatic connection, port 1                              | G3/8   |
| Pneumatic connection, port 2                              | G3/8   |
| Pneumatic connection, port 3                              | G3/8   |
| Pneumatic connection, port 4                              | G3/8   |
| Pneumatic connection, port 5                              | 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                                     | POM  |
| Material screws   | Galvanised steel   |