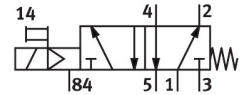


# Solenoid valve VUVS-LT25-M52-MD-G14-F8-1B2

Part number: 8035185

**FESTO**



 General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2-way, 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                                     | 24V 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 - Recognized (OL)                                                                  |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529                                                   |
| 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                                      | Internal                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| Symbol                                                | 00991035                                                                                   |
| lap                                                   | Underlap                                                                                   |
| b value                                               | 0.3                                                                                        |
| C value                                               | 4.5 l/sbar                                                                                 |
| Switching time off                                    | 24 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                                                                                    |
| 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 class                | 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                 | 351 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 84          | M5                                                                               |
| Pneumatic connection, port 1   | G1/4                                                                             |
| Pneumatic connection, port 2   | G1/4                                                                             |
| Pneumatic connection, port 3   | G1/4                                                                             |
| Pneumatic connection, port 4   | G1/4                                                                             |
| Pneumatic connection, port 5   | G1/4                                                                             |
| Note on materials              | RoHS-compliant                                                                   |
| Material seals                 | HNBR<br>NBR<br>TPE-U(PU)                                                         |
| Material housing               | Painted                                                                          |
| Material screws                | Galvanised steel                                                                 |