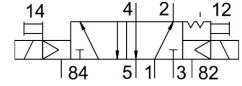


# Air solenoid valve VUVS-LT25-B52-D-G14-F8-1C1

Part number: 8035190

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 5/2, bistable                                                                        |
| 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                       | 0.15 MPa ... 1 MPa                                                                   |
| Operating pressure                       | 1.5 bar ... 10 bar                                                                   |
| Structural design                        | Plate seat                                                                           |
| 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                    | Internal                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Symbol                                   | 00995754                                                                             |
| Lap                                      | Underlap                                                                             |
| b-value                                  | 0.2                                                                                  |
| C value                                  | 4.6 l/sbar                                                                           |
| Changeover time                          | 10 ms                                                                                |
| Duty cycle                               | 100%                                                                                 |
| Max. positive test pulse with 0 signal   | 2000 µs                                                                              |
| 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                |

| Feature                          | Value                                         |
|----------------------------------|-----------------------------------------------|
| 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            | -10 °C ... 60 °C                              |
| Pilot medium                     | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature              | -10 °C ... 60 °C                              |
| Product weight                   | 415 g                                         |
| Electrical connection            | Form C<br>as per EN 175301-803                |
| Type of mounting                 | With through-hole                             |
| Venting hole connection          | Not ducted                                    |
| Pilot exhaust air port 82        | M5                                            |
| Pilot exhaust air port 84        | M5                                            |
| Pneumatic connection 1           | G1/4                                          |
| Pneumatic connection 2           | G1/4                                          |
| Pneumatic connection 3           | G1/4                                          |
| Pneumatic connection 4           | G1/4                                          |
| Pneumatic connection 5           | G1/4                                          |
| Note on materials                | RoHS-compliant                                |
| Seals material                   | HNBR<br>NBR<br>TPE-U(PU)                      |
| Housing material                 | Painted                                       |
| Material of screws               | Steel, galvanized                             |