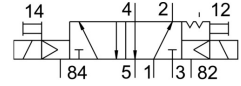


# Air solenoid valve

## VUVS-LT25-B52-D-G14-F8-1B2

FESTO

Part number: 8035192



## 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                       | 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   |
| Type code                                | VUVS   |
| 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                         |
| 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 B<br>As per industrial standard (11 mm)          |
| Type of mounting                 | Optionally:<br>On terminal strip<br>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                 | Die-cast aluminum<br>Painted                          |
| Material of screws               | Steel, galvanized                                     |