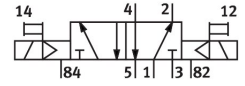


# Air solenoid valve VUVS-L25-B52-D-N14-F8

Part number: 575556

**FESTO**



 General operating condition

## Data sheet

| Feature                                                   | Value                                                                                |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                                            | 5/2-way, bistable                                                                    |
| Actuation type                                            | Electrical                                                                           |
| Valve size                                                | 26.5 mm                                                                              |
| Normal nominal flow rate (normalized to DIN 1343)         | 1300 l/min                                                                           |
| Pneumatic working port                                    | 1/4 NPT                                                                              |
| Operating pressure                                        | 0.15 MPa ... 1 MPa                                                                   |
| Operating pressure                                        | 1.5 bar ... 10 bar                                                                   |
| Structural design                                         | Piston gate valve                                                                    |
| Certification                                             | c UL us - recognized (OL)                                                            |
| Maritime classification                                   | See certificate                                                                      |
| Certificate issuing authority                             | DNVGL-TAA000011J                                                                     |
| Nominal width                                             | 6.9 mm                                                                               |
| Exhaust air function                                      | Adjustable                                                                           |
| Sealing principle                                         | Soft                                                                                 |
| Mounting position                                         | Any                                                                                  |
| Manual override                                           | Detenting<br>Non-detenting                                                           |
| Type of control                                           | Piloted                                                                              |
| Pilot air supply port                                     | Internal                                                                             |
| Flow direction                                            | Non-reversible                                                                       |
| Symbol                                                    | 00991013                                                                             |
| Lap                                                       | Positive overlap                                                                     |
| b-value                                                   | 0.4                                                                                  |
| C value                                                   | 5.6 l/sbar                                                                           |
| Changeover time                                           | 11 ms                                                                                |
| Max. positive test pulse with 0 signal                    | 2000 µs                                                                              |
| Max. negative test pulse on 1 signal                      | 3600 µs                                                                              |
| 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                |
| 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                                                     |
| Temperature of medium                                     | -10 °C ... 60 °C                                                                     |

| Feature                   | Value                                         |
|---------------------------|-----------------------------------------------|
| Pilot medium              | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature       | -10 °C ... 60 °C                              |
| Product weight            | 322 g                                         |
| Type of mounting          | On terminal strip<br>With through-hole        |
| Venting hole connection   | Not ducted                                    |
| Pilot exhaust air port 82 | 10-32 UNF-2B                                  |
| Pilot exhaust air port 84 | 10-32 UNF-2B                                  |
| Pneumatic connection 1    | 1/4 NPT                                       |
| Pneumatic connection 2    | 1/4 NPT                                       |
| Pneumatic connection 3    | 1/4 NPT                                       |
| Pneumatic connection 4    | 1/4 NPT                                       |
| Pneumatic connection 5    | 1/4 NPT                                       |
| Note on materials         | RoHS compliant                                |
| Seals material            | HNBR<br>NBR                                   |
| Housing material          | Die-cast aluminum<br>Painted                  |
| Piston slide material     | Wrought aluminum alloy                        |
| Material of screws        | Galvanized steel                              |