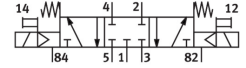


# Solenoid valve VUVS-L25-P53C-MD-G14-F8

Part number: 575523

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/3 closed                                                                                 |
| Type of actuation                                     | Electric                                                                                   |
| Valve size                                            | 26.5 mm                                                                                    |
| Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min                                                                                 |
| pneumatic working port                                | G1/4                                                                                       |
| Operating pressure                                    | 0.25 MPa ... 1 MPa                                                                         |
| Operating pressure                                    | 2.5 bar ... 10 bar                                                                         |
| Design                                                | Piston gate valve                                                                          |
| Type of reset                                         | Mechanical spring                                                                          |
| Approval                                              | c UL us - Recognized (OL)                                                                  |
| Maritime classification                               | See certificate                                                                            |
| Certificate issuing authority                         | DNVGL-TAA000011J                                                                           |
| Nominal size                                          | 6.5 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                                                | 00991033                                                                                   |
| lap                                                   | Overlap                                                                                    |
| b value                                               | 0.4                                                                                        |
| C value                                               | 5.2 l/sbar                                                                                 |
| Switching time off                                    | 42 ms                                                                                      |
| Switching time on                                     | 13 ms                                                                                      |
| Switching time reversal                               | 26 ms                                                                                      |
| Max. positive test pulse with 0 signal                | 2000 µs                                                                                    |
| Max. negative test pulse with 1 signal                | 3600 µs                                                                                    |
| 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) |
| 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                          |

| 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                 |
| 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                 | 430 g                                            |
| Type of mounting               | Either:<br>On manifold rail<br>With through-hole |
| Breather connection            | Not ducted                                       |
| Pilot exhaust port 82          | M5                                               |
| 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                                      |
| Material housing               | Painted                                          |
| Material piston slide          | Wrought aluminium alloy                          |
| Material screws                | Galvanised steel                                 |