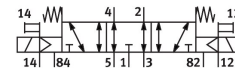


# Solenoid valve

## VUVS-L25-P53E-MZD-G14-F8

Part number: 575538

**FESTO**



## Data sheet

| Feature                                               | Value                                     |
|-------------------------------------------------------|-------------------------------------------|
| Valve function                                        | 5/3 exhausted                             |
| 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 pressure                                    | -0.09 MPa...1 MPa<br>-0.9 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                                          | 6.3 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                                      | External                                  |
| Flow direction                                        | Reversible                                |
| lap                                                   | Overlap                                   |
| Pilot pressure                                        | 0.25 MPa...1 MPa<br>2.5 bar...10 bar      |
| b value                                               | 0.4                                       |
| C value                                               | 4.3 l/sbar                                |
| Switching time off                                    | 48 ms                                     |
| Switching time on                                     | 14 ms                                     |
| Switching time reversal                               | 25 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] |

| Feature                                                   | Value                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 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                          |
| 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                                                           |
| 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                                            | 324 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                                                                                         |
| Pilot air port 12                                         | M5                                                                                         |
| Pilot air port 14                                         | 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                                          | Die-cast aluminium<br>Painted                                                              |
| Material piston slide                                     | Wrought aluminium alloy                                                                    |
| Material screws                                           | Galvanised steel                                                                           |