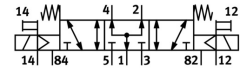
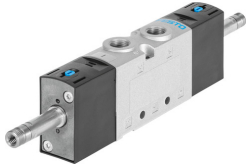


# Solenoid valve VUVS-L25-P53U-MZD-G14-F8

Part number: 575531

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                         | 5/3-way, pressurised                                                                       |
| Type of actuation                      | Electric                                                                                   |
| Valve size                             | 26.5 mm                                                                                    |
| Standard nominal flow rate             | 1000 l/min                                                                                 |
| pneumatic working port                 | G1/4                                                                                       |
| Operating pressure                     | -0.09 MPa ... 1 MPa                                                                        |
| Operating pressure                     | -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                                                                                 |
| Symbol                                 | 00991031                                                                                   |
| lap                                    | Overlap                                                                                    |
| Pilot pressure                         | 0.25 MPa ... 1 MPa                                                                         |
| Pilot pressure                         | 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]                                                  |
| Note on operating and pilot medium     | Lubricated operation possible (in which case lubricated operation will always be required) |

| Feature                        | Value                                                                            |
|--------------------------------|----------------------------------------------------------------------------------|
| 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                                                                |
| 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                                                                 |