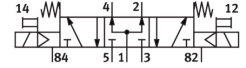


# Solenoid valve VUVS-L25-P53U-MD-G14-FN

Part number: 8192991

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Valve function                                        | 5/3-way, pressurised                                                                                                       |
| Type of actuation                                     | Electrical                                                                                                                 |
| Valve size                                            | 26.5 mm                                                                                                                    |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min                                                                                                                 |
| pneumatic working port                                | G1/4                                                                                                                       |
| Operating pressure                                    | 0.25 MPa ... 0.8 MPa                                                                                                       |
| Operating pressure                                    | 2.5 bar ... 8 bar                                                                                                          |
| Design                                                | Piston gate valve                                                                                                          |
| Type of reset                                         | Mechanical spring                                                                                                          |
| Exhaust-air function                                  | Can be throttled                                                                                                           |
| Sealing principle                                     | Soft                                                                                                                       |
| Mounting position                                     | Any                                                                                                                        |
| Manual override                                       | Detenting                                                                                                                  |
| Type of piloting                                      | Piloted                                                                                                                    |
| Pilot air supply                                      | Internal                                                                                                                   |
| Flow direction                                        | Non-reversible                                                                                                             |
| Symbol                                                | 00991034                                                                                                                   |
| lap                                                   | Overlap                                                                                                                    |
| Pilot pressure                                        | 0.25 MPa ... 0.8 MPa                                                                                                       |
| Pilot pressure                                        | 2.5 bar ... 8 bar                                                                                                          |
| b value                                               | 0.4                                                                                                                        |
| C value                                               | 4.3 l/sbar                                                                                                                 |
| Switching time off                                    | 151 ms                                                                                                                     |
| Switching time on                                     | 40 ms                                                                                                                      |
| Switching time reversal                               | 98 ms                                                                                                                      |
| Explosion protection                                  | The information in the certificate must be observed!<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| 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                                                          |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                                                                              |

| Feature                                                   | Value                                     |
|-----------------------------------------------------------|-------------------------------------------|
| 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                                     |
| Breather connection                                       | Not ducted                                |
| 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                          |