

# Solenoid valve

## VUVS-L25-P53E-MD-N14-FN

Part number: 8192999

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                                | 1/4 NPT  |
| Operating pressure                                    | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar  |
| Design  | Piston gate valve  |
| Type of reset   | Mechanical spring  |
| Exhaust-air function                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | Detenting  |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| lap   | Overlap  |
| Pilot pressure  | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar  |
| b value   | 0.4  |
| C value   | 4.3 l/sbar   |
| Switching time off                                    | 156 ms   |
| Switching time on                                     | 34 ms  |
| Switching time reversal                               | 102 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   |

| Feature                        | Value   |
|--------------------------------|---|
| 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 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                 | 324 g   |
| Breather connection            | Not ducted  |
| Pneumatic connection, port 1   | 1/4 NPT   |
| Pneumatic connection, port 2   | 1/4 NPT   |
| Pneumatic connection, port 3   | 1/4 NPT   |
| Pneumatic connection, port 4   | 1/4 NPT   |
| Pneumatic connection, port 5   | 1/4 NPT   |
| 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  |