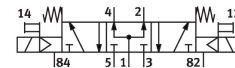


# Solenoid valve

## VUVS-L25-P53U-MD-N14-F8

Part number: 575560

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/3-way, pressurised   |
| 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...1 MPa<br>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  | 6.3 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                                      | Internal   |
| Flow direction  | Non-reversible   |
| lap   | Overlap  |
| 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  |
| 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  |
| Type of mounting               | On manifold rail<br>With through-hole<br>Either:                                 |
| Breather connection            | Not ducted   |
| Pilot exhaust port 82          | 10-32 UNF-2B   |
| Pilot exhaust port 84          | 10-32 UNF-2B   |
| 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   |