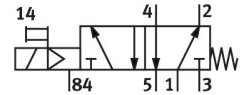


# Solenoid valve VUVS-L25-M52-MD-G14-F8

Part number: 575509

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, monostable  |
| Type of actuation                                     | Electric   |
| Valve size  | 26.5 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 1300 l/min   |
| pneumatic working port                                | G1/4   |
| Operating pressure                                    | 0.25 MPa ... 1 MPa   |
| Operating pressure                                    | 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  | 6.9 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   |
| Symbol  | 00991035   |
| lap   | Overlap  |
| b value   | 0.4  |
| C value   | 5.3 l/sbar   |
| Switching time off                                    | 47 ms  |
| Switching time on                                     | 12 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) |
| 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 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               | 311 g  |
| Type of mounting             | Either:<br>On manifold rail<br>With through-hole |
| Breather connection          | Not ducted                                       |
| Pilot exhaust port 84        | 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                                 |