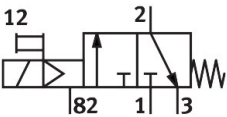


# Solenoid valve

## VUVS-L25-M32C-MD-N14-FN

Part number: 8193001

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 3/2, closed, monostable  |
| Actuation type                           | Electrical   |
| Valve size                               | 26.5 mm  |
| Standard nominal flow rate               | 1000 l/min   |
| Pneumatic working port                   | 1/4 NPT  |
| Operating pressure                       | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar  |
| Structural design                        | Piston gate valve  |
| Reset method                             | Mechanical spring  |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Manual override                          | Detenting  |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | Internal   |
| Flow direction                           | Non-reversible   |
| Lap                                      | Overlap  |
| Pilot pressure MPa                       | 0.25 MPa...0.8 MPa   |
| Pilot pressure                           | 2.5 bar...8 bar  |
| b-value                                  | 0.3  |
| C value                                  | 4.8 l/sbar   |
| Switching time off                       | 125 ms   |
| On switching time                        | 29 ms  |
| Explosion prevention and protection      | Observe the information on the certificate<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)   |
| Vibration resistance                     | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6                             |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  |

| Feature                          | Value   |
|----------------------------------|---|
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress                 |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L                             |
| Cleanroom class                  | Class 6 according to ISO 14644-1              |
| Temperature of medium            | -10 °C...60 °C                                |
| Pilot medium                     | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature              | -10 °C...60 °C                                |
| Product weight                   | 246 g   |
| Venting hole connection          | Not ducted                                    |
| Pneumatic connection 1           | 1/4 NPT                                       |
| Pneumatic connection 2           | 1/4 NPT                                       |
| Pneumatic connection 3           | 1/4 NPT                                       |
| Note on materials                | RoHS-compliant                                |
| Seals material                   | HNBR<br>NBR                                   |
| Housing material                 | Die-cast aluminum<br>Painted                  |
| Piston slide material            | Wrought aluminum alloy                        |
| Material of screws               | Steel, galvanized                             |