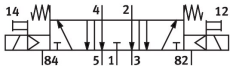
# Solenoid valve
# VUVS-L25-P53E-MD-G14-FN

Part number: 8192990






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3 exhausted |
| 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<br>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 |
| 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 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 |