

# Solenoid valve

## VUVS-L25-M32U-MD-G14-F8-1B2

Part number: 575496

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value                                    |
|---|--|
| Valve function  | 3/2-way, single solenoid, open           |
| 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 voltage                                     | 24 V DC                                  |
| 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 - Recognised (Oil)               |
| Maritime classification                               | See certificate                          |
| Certificate issuing authority                         | DNVGL-TAA000011J                         |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529 |
| Nominal size  | 6.3 mm                                   |
| Exhaust-air function                                  | Can be throttled                         |
| Sealing principle                                     | Soft                                     |
| Mounting position                                     | Any                                      |
| Manual override                                       | Detenting<br>Non-detenting               |
| Type of piloting                                      | Piloted                                  |
| Pilot air supply                                      | Internal                                 |
| Flow direction  | Non-reversible                           |
| Symbol  | 00991140                                 |
| lap   | Overlap                                  |
| b value   | 0.3                                      |
| C value   | 4.3 l/sbar                               |
| Switching time off                                    | 39 ms                                    |
| Switching time on                                     | 11 ms                                    |
| Duty cycle  | 100%                                     |
| Max. positive test pulse with 0 signal                | 2000 µs                                  |
| Max. negative test pulse with 1 signal                | 3600 µs                                  |
| Characteristic coil data                              | 24 V DC: 3.3 W                           |
| Permissible voltage fluctuations                      | +/-10%                                   |

| Feature   | Value  |
|---|--|
| 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  |
| 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  | 297 g  |
| Electrical connection                                     | Type C<br>To EN 175301-803   |
| Type of mounting  | On manifold rail<br>With through-hole  |
| Breather connection                                       | Not ducted   |
| Pilot exhaust port 82                                     | M5   |
| Pneumatic connection, port 1                              | G1/4   |
| Pneumatic connection, port 2                              | G1/4   |
| Pneumatic connection, port 3                              | 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   |