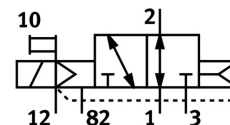


# Solenoid valve

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

Part number: 575495

FESTO



 General operating condition

## Data sheet

| Feature                                | Value                                    |
|----------------------------------------|------------------------------------------|
| Valve function                         | 3/2 open, single solenoid                |
| Type of actuation                      | Electric                                 |
| Valve size                             | 26.5 mm                                  |
| Standard nominal flow rate             | 1000 l/min                               |
| pneumatic working port                 | G1/4                                     |
| Operating voltage                      | 24V DC                                   |
| Operating pressure                     | -0.09 MPa ... 1 MPa                      |
| Operating pressure                     | -0.9 bar ... 10 bar                      |
| Design                                 | Piston gate valve                        |
| Type of reset                          | Pneumatic spring                         |
| Approval                               | c UL us - Recognized (OL)                |
| 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                   | With flow control option                 |
| Sealing principle                      | Soft                                     |
| Mounting position                      | optional                                 |
| Manual override                        | Detenting<br>Non-detenting               |
| Type of piloting                       | Pilot actuated                           |
| Pilot air supply                       | External                                 |
| Flow direction                         | Reversible                               |
| Symbol                                 | 00991448                                 |
| lap                                    | Overlap                                  |
| Pilot pressure                         | 0.25 MPa ... 1 MPa                       |
| Pilot pressure                         | 2.5 bar ... 10 bar                       |
| b value                                | 0.3                                      |
| C value                                | 4.2 l/sbar                               |
| Switching time off                     | 26 ms                                    |
| Switching time on                      | 12 ms                                    |
| Duty cycle                             | 100%                                     |
| Max. positive test pulse with 0 signal | 2000 µs                                  |
| Max. negative test pulse with 1 signal | 3600 µs                                  |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Characteristic coil data           | 24 V DC: 3.3 W                                                                             |
| Permissible voltage fluctuations   | +/- 10 %                                                                                   |
| 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                                                              |
| 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                   | Either:<br>On manifold rail<br>With through-hole                                           |
| Breather connection                | Not ducted                                                                                 |
| Pilot exhaust port 82              | M5                                                                                         |
| Pilot air port 12                  | 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                                                                           |