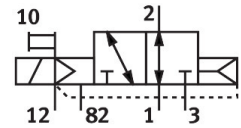


# Air solenoid valve

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

Part number: 575495

**FESTO**



## Data sheet

| Feature                       | Value  |
|-------------------------------|--|
| Valve function                | 3/2, open, monostable                        |
| Actuation type                | Electrical                                   |
| 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<br>-0.9 bar...10 bar       |
| Structural design             | Piston gate valve                            |
| Reset method                  | Pneumatic spring                             |
| Certification                 | c UL us - Recognized (OL)                    |
| Maritime classification       | See certificate                              |
| Certificate issuing authority | DNVGL-TAA000011J                             |
| Degree of protection          | IP65<br>With plug socket<br>as per IEC 60529 |
| Nominal width                 | 6.3 mm                                       |
| Exhaust air function          | With flow control option                     |
| Sealing principle             | Soft   |
| Mounting position             | Any  |
| Manual override               | Detenting<br>Non-detenting                   |
| Type of control               | Pilot-controlled                             |
| Pilot air supply port         | External                                     |
| Flow direction                | Reversible                                   |
| Lap                           | Overlap                                      |
| Pilot pressure MPa            | 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  |
| On switching time             | 12 ms  |

| Feature                                  | Value  |
|--|--|
| Duty cycle                               | 100%   |
| Max. positive test pulse with 0 signal   | 2000 µs  |
| Max. negative test pulse on 1 signal     | 3600 µs  |
| Coil characteristics                     | 24 V DC: 3.3 W   |
| Permissible voltage fluctuations         | +/- 10 %   |
| 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                |
| 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                           | 297 g  |
| Electrical connection                    | Form C<br>as per EN 175301-803   |
| Type of mounting                         | On terminal strip<br>With through-hole<br>Optionally:                                |
| Venting hole connection                  | Not ducted   |
| Pilot exhaust air port 82                | M5   |
| Pilot air port 12                        | M5   |
| Pneumatic connection 1                   | G1/4   |
| Pneumatic connection 2                   | G¾   |
| Pneumatic connection 3                   | G1/4   |
| 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  |