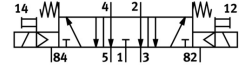


# Air solenoid valve

## VUVS-L30-P53E-MD-G38-F8-1B2

FESTO

Part number: 575634



 [General operating condition](#)

## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 5/3, exhausted                               |
| Actuation type                         | Electrical                                   |
| Valve size                             | 31 mm  |
| Standard nominal flow rate             | 1600 l/min                                   |
| Pneumatic working port                 | G3/8   |
| Operating voltage                      | 24V DC                                       |
| Operating pressure                     | 0.25 MPa ... 1 MPa                           |
| Operating pressure                     | 2.5 bar ... 10 bar                           |
| Structural design                      | Piston gate valve                            |
| Reset method                           | Mechanical 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                          | 8.1 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                  | Internal                                     |
| Flow direction                         | Non-reversible                               |
| Symbol                                 | 00991036                                     |
| Lap                                    | Overlap                                      |
| b-value                                | 0.4  |
| C value                                | 7.1 l/sbar                                   |
| Switching time off                     | 74 ms  |
| On switching time                      | 20 ms  |
| Changeover time                        | 36 ms  |
| 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                               |

| <b>Feature</b>                           | <b>Value</b>   |
|--|--|
| 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  |
| 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                           | 562 g  |
| Electrical connection                    | Form B<br>As per industrial standard (11 mm)   |
| Type of mounting                         | Optionally:<br>On terminal strip<br>With through-hole                                |
| Venting hole connection                  | Not ducted   |
| Pilot exhaust air port 82                | M5   |
| Pilot exhaust air port 84                | M5   |
| Pneumatic connection 1                   | G3/8   |
| Pneumatic connection 2                   | G3/8   |
| Pneumatic connection 3                   | G3/8   |
| Pneumatic connection 4                   | G3/8   |
| Pneumatic connection 5                   | G3/8   |
| 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, nickel-plated   |