

# Solenoid valve VUVS-L30-P53E-MZD-G38-F8-1B2

Part number: 575635

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                | Value                                    |
|----------------------------------------|------------------------------------------|
| Valve function                         | 5/3 exhausted                            |
| Type of actuation                      | Electric                                 |
| Valve size                             | 31 mm                                    |
| Standard nominal flow rate             | 1600 l/min                               |
| pneumatic working port                 | G3/8                                     |
| 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                          | Mechanical 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                           | 8.1 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                                 | 00991032                                 |
| lap                                    | Overlap                                  |
| Pilot pressure                         | 0.25 MPa ... 1 MPa                       |
| Pilot pressure                         | 2.5 bar ... 10 bar                       |
| b value                                | 0.4                                      |
| C value                                | 7.1 l/sbar                               |
| Switching time off                     | 74 ms                                    |
| Switching time on                      | 20 ms                                    |
| Switching time reversal                | 36 ms                                    |
| Duty cycle                             | 100%                                     |
| Max. positive test pulse with 0 signal | 2000 µs                                  |

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Max. negative test pulse with 1 signal | 3600 µs                                                                                    |
| 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                         | 562 g                                                                                      |
| Electrical connection                  | Type B<br>To industry standard (11 mm)                                                     |
| Type of mounting                       | Either:<br>On manifold rail<br>With through-hole                                           |
| Breather connection                    | Not ducted                                                                                 |
| Pilot exhaust port 82                  | M5                                                                                         |
| Pilot exhaust port 84                  | M5                                                                                         |
| Pilot air port 12                      | G1/8                                                                                       |
| Pilot air port 14                      | G1/8                                                                                       |
| Pneumatic connection, port 1           | G3/8                                                                                       |
| Pneumatic connection, port 2           | G3/8                                                                                       |
| Pneumatic connection, port 3           | G3/8                                                                                       |
| Pneumatic connection, port 4           | G3/8                                                                                       |
| Pneumatic connection, port 5           | G3/8                                                                                       |
| 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                        | Nickel-plated steel                                                                        |