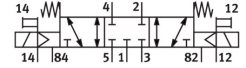


# Air solenoid valve VUVS-L30-P53C-MZD-G38-F8

Part number: 575617

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 5/3, closed                                                                          |
| Actuation type                           | Electrical                                                                           |
| Valve size                               | 31 mm                                                                                |
| Standard nominal flow rate               | 2000 l/min                                                                           |
| Pneumatic working port                   | G3/8                                                                                 |
| Operating pressure                       | -0.09 MPa ... 1 MPa                                                                  |
| Operating pressure                       | -0.9 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                                                                     |
| Nominal width                            | 8.9 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                                                                           |
| Symbol                                   | 00991020                                                                             |
| Lap                                      | Overlap                                                                              |
| Pilot pressure MPa                       | 0.25 MPa ... 1 MPa                                                                   |
| Pilot pressure                           | 2.5 bar ... 10 bar                                                                   |
| b-value                                  | 0.4                                                                                  |
| C value                                  | 8.9 l/sbar                                                                           |
| Switching time off                       | 76 ms                                                                                |
| On switching time                        | 17 ms                                                                                |
| Changeover time                          | 39 ms                                                                                |
| Max. positive test pulse with 0 signal   | 2000 µs                                                                              |
| Max. negative test pulse on 1 signal     | 3600 µs                                                                              |
| 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 |

| Feature                          | Value                                                                 |
|----------------------------------|-----------------------------------------------------------------------|
| 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                   | 461 g                                                                 |
| Type of mounting                 | With through-hole                                                     |
| Venting hole connection          | Not ducted                                                            |
| Pilot exhaust air port 82        | M5                                                                    |
| Pilot exhaust air port 84        | M5                                                                    |
| Pilot air port 12                | G1/8                                                                  |
| Pilot air port 14                | G1/8                                                                  |
| 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                 | Painted                                                               |
| Piston slide material            | Wrought aluminum alloy                                                |
| Material of screws               | Steel, nickel-plated                                                  |