

# Air solenoid valve VUVS-LK30-M52-AD-G38-1B2-S

Part number: 8049881

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 5/2, monostable                                                                      |
| 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                       | 0.15 MPa ... 0.8 MPa                                                                 |
| Operating pressure                       | 1.5 bar ... 8 bar                                                                    |
| Structural design                        | Piston gate valve                                                                    |
| Reset method                             | Pneumatic spring                                                                     |
| 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                                   | 00991049                                                                             |
| Lap                                      | Overlap                                                                              |
| b-value                                  | 0.37                                                                                 |
| C value                                  | 7.03 l/sbar                                                                          |
| Switching time off                       | 21 ms                                                                                |
| On switching time                        | 16 ms                                                                                |
| Duty cycle                               | 100%                                                                                 |
| Max. positive test pulse with 0 signal   | 2500 µs                                                                              |
| Max. negative test pulse on 1 signal     | 1100 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 |

| Feature                          | Value                                                                 |
|----------------------------------|-----------------------------------------------------------------------|
| Shock resistance                 | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress                                              |
| LABS (PWIS) conformity           | VDMA24364 zone III                                                    |
| Temperature of medium            | -5 °C ... 50 °C                                                       |
| Pilot medium                     | Compressed air as per ISO 8573-1:2010 [7:4:4]                         |
| Ambient temperature              | -5 °C ... 50 °C                                                       |
| Product weight                   | 315 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                                                            |
| 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                 | Wrought aluminum alloy                                                |
| Piston slide material            | Wrought aluminum alloy                                                |