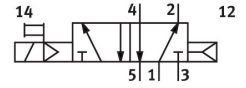


# Air solenoid valve VUVS-LK30-M52-AD-G38-1B2-S

Part number: 8049881

**FESTO**



## Data sheet

| Feature                                           | Value                                        |
|---------------------------------------------------|----------------------------------------------|
| Valve function                                    | 5/2-way, monostable                          |
| Actuation type                                    | Electrical                                   |
| Valve size                                        | 31 mm                                        |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 l/min                                   |
| Pneumatic working port                            | G3/8                                         |
| Operating voltage                                 | 24V DC                                       |
| Operating pressure                                | 0.15 MPa...0.8 MPa<br>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                              | Adjustable                                   |
| Sealing principle                                 | Soft                                         |
| Mounting position                                 | Any                                          |
| Manual override                                   | Detenting<br>Non-detenting                   |
| Type of control                                   | Piloted                                      |
| Pilot air supply port                             | Internal                                     |
| Flow direction                                    | Non-reversible                               |
| Lap                                               | Positive 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%                                      |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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 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 industry standard (11 mm)                                           |
| Type of mounting                         | Alternatively:<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                                                               |