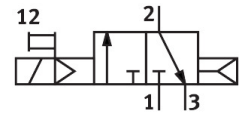


# Solenoid valve

## VUVS-LK30-M32C-AD-G38-1B2-S

FESTO

Part number: 8049880



[PDF General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3/2-way, closed, monostable  |
| Type of actuation                                     | Electric   |
| Valve size  | 31 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 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  |
| Design  | Piston gate valve  |
| Type of reset   | Pneumatic spring   |
| 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                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991183   |
| lap   | Overlap  |
| b value   | 0.37   |
| C value   | 7.03 l/sbar  |
| Switching time off                                    | 20 ms  |
| Switching time on                                     | 16 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 2500 µs  |
| Max. negative test pulse with 1 signal                | 1100 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) |

| Feature                        | Value  |
|--------------------------------|--|
| 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 1 to FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class CRC | 1 - Low corrosion stress   |
| LABS (PWIS) conformity         | VDMA24364 zone III   |
| Media temperature              | -5 °C ... 50 °C  |
| Pilot medium                   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature            | -5 °C ... 50 °C  |
| Product weight                 | 250 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   |
| Pneumatic connection, port 1   | G3/8   |
| Pneumatic connection, port 2   | G3/8   |
| Pneumatic connection, port 3   | G3/8   |
| Note on materials              | RoHS-compliant   |
| Material seals                 | HNBR<br>NBR  |
| Material housing               | Wrought aluminium alloy  |
| Material piston slide          | Wrought aluminium alloy  |