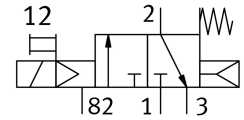


# Air solenoid valve VUVS-L20-M32C-MD-G18-F7-1C1+G

Part number: 8059134

FESTO



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 3/2, closed, monostable                      |
| Actuation type                         | Electrical                                   |
| Valve size                             | 21 mm  |
| Standard nominal flow rate             | 700 l/min                                    |
| Pneumatic working port                 | G1/8   |
| Operating voltage                      | 24V DC                                       |
| Operating pressure                     | 0.25 MPa...1 MPa<br>2.5 bar...10 bar         |
| Structural design                      | Piston gate valve                            |
| Reset method                           | Mechanical spring                            |
| Certification                          | c UL us - Recognized (OL)                    |
| Degree of protection                   | IP65<br>With plug socket<br>as per IEC 60529 |
| Nominal width                          | 5.7 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                               |
| Lap                                    | Overlap                                      |
| b-value                                | 0.35   |
| C value                                | 2.9 l/sbar                                   |
| Switching time off                     | 32 ms  |
| On switching time                      | 14 ms  |
| Duty cycle                             | 100%   |
| Max. positive test pulse with 0 signal | 1900 µs                                      |
| Max. negative test pulse on 1 signal   | 2700 µs                                      |
| Coil characteristics                   | 24 V DC: 2.6 W                               |

| Feature                                  | Value  |
|--|--|
| 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 |
| 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  |
| 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                           | 180 g  |
| Electrical connection                    | Form C<br>as per EN 175301-803   |
| Type of mounting                         | Optionally:<br>On terminal strip<br>With through-hole                                |
| Venting hole connection                  | Not ducted   |
| Pilot exhaust air port 82                | M5   |
| Pneumatic connection 1                   | G1/8   |
| Pneumatic connection 2                   | G1/8   |
| Pneumatic connection 3                   | G1/8   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR  |
| Housing material                         | Die-cast aluminum<br>Painted   |
| Piston slide material                    | Wrought aluminum alloy   |
| Material of screws                       | Steel, galvanized  |