

# Solenoid valve

## VUVS-LK20-M32C-AD-G18-1C1+GL-S

FESTO

Part number: 8060299



[PDF General operating condition](#)

### Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3/2-way, single solenoid, closed   |
| Type of actuation                                     | Electrical   |
| Valve size  | 21 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 550 l/min  |
| pneumatic working port                                | G1/8   |
| Operating voltage                                     | 24 V 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  | 5.2 mm   |
| Exhaust-air function                                  | Can be throttled   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | Any  |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Piloted  |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991183   |
| lap   | Overlap  |
| b value   | 0.38   |
| C value   | 2.66 l/sbar  |
| Switching time off                                    | 20 ms  |
| Switching time on                                     | 16 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 2700 µs  |
| Max. negative test pulse with 1 signal                | 1100 µs  |
| Characteristic coil data                              | 24 V DC: 2.4 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                  | 133 g  |
| Electrical connection           | Screw terminal   |
| Cable diameter                  | 4 mm ... 6 mm  |
| Nominal cross section conductor | 0.34 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>                                     |
| Type of mounting                | On manifold rail<br>With through-hole  |
| Breather connection             | Not ducted   |
| Pneumatic connection, port 1    | G1/8   |
| Pneumatic connection, port 2    | G1/8   |
| Pneumatic connection, port 3    | G1/8   |
| Note on materials               | RoHS compliant   |
| Material seals                  | HNBR<br>NBR  |
| Material housing                | Wrought aluminium alloy  |
| Material piston slide           | Wrought aluminium alloy  |