

# Solenoid valve

## VUVS-LT20-T32U-MD-G18-F7-1C1

FESTO

Part number: 577521



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 2x3/2 open monostable  |
| Type of actuation                                     | Electrical   |
| Valve size  | 21 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 600 l/min  |
| pneumatic working port                                | G1/8   |
| Operating voltage                                     | 24 V DC  |
| Operating pressure                                    | 0.25 MPa ... 1 MPa   |
| Operating pressure                                    | 2.5 bar ... 10 bar   |
| Design  | Poppet seat  |
| Type of reset   | Mechanical spring  |
| Approval  | c UL us - Recognised (Oil)   |
| 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  | 00995470   |
| lap   | Underlap   |
| b value   | 0.29   |
| C value   | 2.3 l/sbar   |
| Switching time off                                    | 23 ms  |
| Switching time on                                     | 9 ms   |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 1900 µs  |
| Max. negative test pulse with 1 signal                | 2700 µs  |
| Characteristic coil data                              | 24 V DC: 2.6 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 2 to FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class CRC                            | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1   |
| Media temperature   | -10 °C ... 60 °C   |
| Pilot medium  | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                                       | -5 °C ... 60 °C  |
| Product weight  | 245 g  |
| Electrical connection                                     | Type C<br>To EN 175301-803   |
| Type of mounting  | On manifold rail<br>With through-hole  |
| Breather connection                                       | Not ducted   |
| Pilot exhaust port 82                                     | M5   |
| Pilot exhaust port 84                                     | M5   |
| 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<br>TPE-U(PU)   |
| Material housing  | Die-cast aluminium<br>painted  |
| Material screws   | Galvanised steel   |