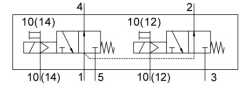
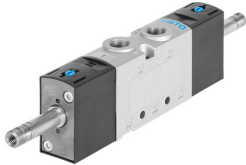



# Air solenoid valve

## VUVS-LT20-T32U-MZD-G18-F7

FESTO

Part number: 577501



 General operating condition

## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 2x3/2, open, monostable  |
| Actuation type                           | Electrical   |
| Valve size                               | 21 mm  |
| Standard nominal flow rate               | 600 l/min  |
| Pneumatic working port                   | G1/8   |
| Operating pressure                       | -0.09 MPa ... 1 MPa  |
| Operating pressure                       | -0.9 bar ... 10 bar  |
| Structural design                        | Plate seat   |
| Reset method                             | Mechanical spring  |
| Certification                            | c UL us - Recognized (OL)  |
| Nominal width                            | 5.2 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                    | External   |
| Flow direction                           | Non-reversible   |
| Symbol                                   | 00995864   |
| Lap                                      | Underlap   |
| Pilot pressure MPa                       | 0.25 MPa ... 1 MPa   |
| Pilot pressure                           | 2.5 bar ... 10 bar   |
| b-value                                  | 0.29   |
| C value                                  | 2.3 l/sbar   |
| Switching time off                       | 23 ms  |
| On switching time                        | 9 ms   |
| Max. positive test pulse with 0 signal   | 1900 µs  |
| Max. negative test pulse on 1 signal     | 2700 µs  |
| 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  |

| <b>Feature</b>            | <b>Value</b>  |
|---------------------------|---|
| Temperature of medium     | -10 °C ... 60 °C                                      |
| Pilot medium              | Compressed air as per ISO 8573-1:2010 [7:4:4]         |
| Ambient temperature       | -5 °C ... 60 °C                                       |
| Product weight            | 180 g   |
| Type of mounting          | Optionally:<br>On terminal strip<br>With through-hole |
| Venting hole connection   | Not ducted  |
| Pilot exhaust air port 82 | M5  |
| Pilot exhaust air port 84 | M5  |
| Pilot air port 12         | M5  |
| Pilot air port 14         | 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<br>TPE-U(PU)                              |
| Housing material          | Die-cast aluminum<br>Painted                          |
| Material of screws        | Steel, galvanized                                     |