

# Air solenoid valve VUVS-LT30-T32U-MZD-G38-F8

FESTO

Part number: 8036708



General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 2x3/2, open, monostable  |
| Actuation type                                    | Electrical   |
| Valve size  | 31 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 l/min   |
| Pneumatic working port                            | G3/8   |
| Operating voltage                                 | Via solenoid coil, to be ordered separately  |
| Operating pressure                                | 0.1 MPa ... 1 MPa  |
| Operating pressure                                | 1 bar ... 10 bar   |
| Structural design                                 | Plate seat   |
| Reset method                                      | Mechanical spring  |
| Certification                                     | c UL us - Recognized (OL)  |
| Nominal width                                     | 7.8 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   | 0.3  |
| C value   | 6.7 l/sbar   |
| Switching time off                                | 35 ms  |
| On switching time                                 | 14 ms  |
| Max. positive test pulse with 0 signal            | 2000 µs  |
| Max. negative test pulse on 1 signal              | 3600 µs  |
| Coil characteristics                              | See solenoid coil, to be ordered separately  |
| 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                |

| Feature   | Value   |
|---|---|
| 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              |
| 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  | 442 g   |
| Type of mounting  | 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   | G1/8  |
| Pilot air port 14   | G1/8  |
| Pneumatic connection 1                                    | G3/8  |
| Pneumatic connection 2                                    | G3/8  |
| Pneumatic connection 3                                    | G3/8  |
| Pneumatic connection 4                                    | G3/8  |
| Pneumatic connection 5                                    | G3/8  |
| Note on materials   | RoHS-compliant                                |
| Seals material  | HNBR<br>NBR<br>TPE-U(PU)                      |
| Housing material  | Die cast aluminum, painted                    |
| Piston slide material                                     | Wrought aluminum alloy                        |
| Material of screws  | Steel, galvanized                             |