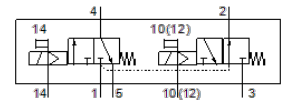


# solenoid valve

## VUVS-LT30-T32H-MZD-G38-F8

Part number: 8036715

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 2x3/2 open/closed, monostable  |
| Type of actuation                       | electrical   |
| Valve size                              | 31 mm  |
| Standard nominal flow rate              | 1,600 l/min  |
| Operating pressure MPa                  | 0.1 ... 1 MPa  |
| Operating pressure                      | 1 ... 10 bar   |
| Design structure                        | Poppet seat  |
| Type of reset                           | mechanical spring  |
| Authorisation                           | c UL us - Recognized (OL)  |
| Nominal size                            | 7.8 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | external   |
| Flow direction                          | non reversible   |
| Overlap                                 | Underlap   |
| Pilot pressure MPa                      | 0.25 ... 1 MPa   |
| Pilot pressure                          | 2.5 ... 10 bar   |
| b value                                 | 0.3  |
| C value                                 | 6.7 l/sbar   |
| Switching time off                      | 37 ms  |
| Switching time on                       | 13 ms  |
| Max. positive test pulse with logic 0   | 2,000 µs   |
| Max. negative test pulse with logic 1   | 3,600 µs   |
| Characteristic coil data                | See solenoid coil, to be ordered separately  |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                    | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| Medium temperature                      | -10 ... 60 °C  |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                     | -10 ... 60 °C  |
| Product weight                          | 442 g  |
| Mounting type                           | on manifold rail<br>with through hole<br>Optional  |
| Scavenging orifice connection           | Non-ducted   |
| Pilot exhaust port 82                   | M5   |
| Pilot exhaust port 84                   | M5   |

| Feature                      | Value                       |
|------------------------------|-----------------------------|
| Pilot air port 12            | G1/8                        |
| Pilot air port 14            | G1/8                        |
| Pneumatic connection, port 1 | G3/8                        |
| Pneumatic connection, port 2 | G3/8                        |
| Pneumatic connection, port 3 | G3/8                        |
| Pneumatic connection, port 4 | G3/8                        |
| Pneumatic connection, port 5 | G3/8                        |
| Materials note               | Conforms to RoHS            |
| Material seals               | HNBR<br>NBR<br>TPE-U(PU)    |
| Material housing             | Die-cast aluminium, painted |
| Material Piston slide        | Wrought Aluminium alloy     |
| Material screws              | Galvanised steel            |