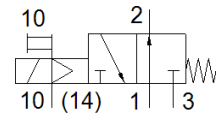
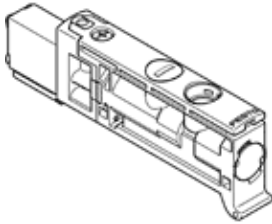


# solenoid valve

## VUVB-ST12-M32U-MZH-QX-1T1

Part number: 575999

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 3/2 open, monostable   |
| Type of actuation                       | electrical   |
| Valve size                              | 12 mm  |
| Standard nominal flow rate              | 240 ... 400 l/min  |
| Operating pressure                      | 2.8 ... 8 bar  |
| Design structure                        | Poppet valve with spring return  |
| Protection class                        | IP65   |
| Nominal size                            | 4 mm   |
| Exhaust-air function                    | not throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | Pushing  |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | external   |
| Flow direction                          | non reversible   |
| Note on operating pressure              | 0 - 8 bar with external pilot air  |
| Pilot pressure                          | 2.8 ... 8 bar  |
| Switching time off                      | 14 ms  |
| Switching time on                       | 6 ms   |
| Duty cycle                              | 100 %  |
| Max. positive test pulse with logic 0   | 800 µs   |
| Max. negative test pulse with logic 1   | 300 µs   |
| Characteristic coil data                | 24 V DC: 1 W   |
| Permissible voltage fluctuation         | +/- 10 %   |
| 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 1 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 0 - No corrosion stress  |
| Medium temperature                      | -5 ... 60 °C   |
| Sound pressure level                    | 85 dB(A)   |
| Ambient temperature                     | -5 ... 60 °C   |
| Product weight                          | 28.1 g   |
| Electrical connection                   | via manifold block   |
| Mounting type                           | On sub-base  |
| Auxiliary pilot air port 14             | Sub-base   |
| Pneumatic connection, port 1            | Sub-base   |
| Pneumatic connection, port 3            | Sub-base   |
| Pneumatic connection, port 5            | Sub-base   |
| Materials note                          | Free of copper and PTFE<br>Conforms to RoHS  |
| Material seals                          | NBR<br>TPE-U(PU)   |
| Material housing                        | PA-reinforced  |
| Material Piston slide                   | Wrought Aluminium alloy  |