

# Solenoid valve VSVA-B-T32U-AZD-D1-1R5L

Part number: 561370

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 2x3/2 open monostable   |
| Type of actuation                                     | Electrical  |
| Construction width                                    | 42 mm   |
| Standard nominal flow rate (standardised to DIN 1343) | 1100 l/min  |
| pneumatic working port                                | Sub-base size 1 to ISO 5599-1<br>G1/4                             |
| Operating voltage                                     | 24 V DC   |
| Operating pressure                                    | 0.3 MPa ... 1 MPa   |
| Operating pressure                                    | 3 bar ... 10 bar  |
| Design  | Piston gate valve   |
| Type of reset   | Pneumatic spring  |
| Approval  | c UL us - Recognised (Oil)  |
| Degree of protection                                  | IP65<br>NEMA 4  |
| Nominal size  | 11 mm   |
| Grid dimension  | 43 mm   |
| Exhaust-air function                                  | Can be throttled<br>Via throttle plate<br>Via individual sub-base |
| Sealing principle                                     | Soft  |
| Mounting position                                     | Any   |
| Conforms to standard                                  | ISO 5599-1  |
| Manual override                                       | Detenting<br>Non-detenting  |
| Type of piloting                                      | Piloted   |
| Pilot air supply                                      | External  |
| Flow direction  | Non-reversible  |
| Symbol  | 00991819  |
| lap   | Overlap   |
| Signal status display                                 | LED   |
| Pilot pressure  | 0.3 MPa ... 1 MPa   |
| Pilot pressure  | 3 bar ... 10 bar  |
| Flow rate of valve                                    | 1600 l/min  |
| Flow rate of valve on individual sub-base             | 1200 l/min  |
| Flow rate of pneumatically interlinked valve          | 1100 l/min  |
| Switching time off                                    | 38 ms   |
| Switching time on                                     | 20 ms   |

| Feature                                | Value  |
|--|--|
| Duty cycle                             | 100%   |
| Max. positive test pulse with 0 signal | 1600 µs  |
| Max. negative test pulse with 1 signal | 1100 µs  |
| Characteristic coil data               | 24 V DC: 1.3 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) |
| 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         | 0 - No corrosion stress  |
| LABS (PWIS) conformity                 | VDMA24364-B1/B2-L  |
| Media temperature                      | -5 °C ... 50 °C  |
| Relative air humidity                  | 0 - 90%  |
| Pilot medium                           | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                    | -5 °C ... 50 °C  |
| Product weight                         | 442 g  |
| Electrical connection                  | 3-pin<br>M12x1<br>Central plug<br>Round design   |
| Type of mounting                       | On sub-base  |
| Pilot air port 12/14                   | Sub-base size 1 to ISO 5599-1  |
| Pilot exhaust port 82/84               | Ducted<br>Not ducted as per standard<br>Either:  |
| Pneumatic connection, port 1           | Sub-base size 1 to ISO 5599-1  |
| Pneumatic connection, port 2           | Sub-base size 1 to ISO 5599-1  |
| Pneumatic connection, port 3           | Sub-base size 1 to ISO 5599-1  |
| Pneumatic connection, port 4           | Sub-base size 1 to ISO 5599-1  |
| Pneumatic connection, port 5           | Sub-base size 1 to ISO 5599-1  |
| Note on materials                      | RoHS compliant   |
| Material seals                         | Fluoro rubber<br>HNBR<br>NBR   |
| Material housing                       | Die-cast aluminium<br>Process automation   |
| Material screws                        | Steel<br>Galvanised  |