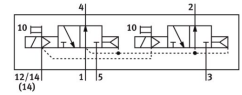


# Air solenoid valve VSVA-B-T32U-AZH-A2-1R5L

Part number: 546775

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                             | Value                                                                                       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|
| Valve function                                      | 2x3/2, open, monostable                                                                     |
| Actuation type                                      | Electrical                                                                                  |
| Width                                               | 18 mm                                                                                       |
| Standard nominal flow rate                          | 400 l/min                                                                                   |
| Pneumatic working port                              | Sub-base, size 18 mm as per ISO 15407-1<br>Connecting plate size 02 according to VDMA 24563 |
| Operating voltage                                   | 24V DC                                                                                      |
| Operating pressure                                  | 0.3 MPa ... 1 MPa                                                                           |
| Operating pressure                                  | 3 bar ... 10 bar                                                                            |
| Structural design                                   | Piston gate valve                                                                           |
| Reset method                                        | Pneumatic spring                                                                            |
| Certification                                       | C-Tick<br>c UL us - Recognized (OL)                                                         |
| CE marking (see declaration of conformity)          | As per EU EMC directive                                                                     |
| UKCA marking (see declaration of conformity)        | To UK instructions for EMC<br>To UK RoHS instructions                                       |
| Degree of protection                                | IP65                                                                                        |
| Nominal width                                       | 5 mm                                                                                        |
| Exhaust air function                                | With flow control option                                                                    |
| Sealing principle                                   | Soft                                                                                        |
| Mounting position                                   | Any                                                                                         |
| Conforms to standard                                | ISO 15407-1<br>VDMA 24563                                                                   |
| Manual override                                     | Non-detenting                                                                               |
| Type of control                                     | Pilot-controlled                                                                            |
| Pilot air supply port                               | External                                                                                    |
| Flow direction                                      | Non-reversible                                                                              |
| Symbol                                              | 00991819                                                                                    |
| Lap                                                 | Overlap                                                                                     |
| Reverse polarity protection                         | for all electrical connections                                                              |
| Additional functions                                | Holding current reduction<br>Safety shut-down                                               |
| Signal status display                               | LED                                                                                         |
| Pilot pressure MPa                                  | 0.3 MPa ... 0.8 MPa                                                                         |
| Pilot pressure                                      | 3 bar ... 8 bar                                                                             |
| Flow rate of pneumatic valve                        | 600 l/min                                                                                   |
| Flow rate of pneumatic valve on individual sub-base | 450 l/min                                                                                   |

| Feature                                                                | Value                                                                                |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 400 l/min                                                                            |
| Switching time off                                                     | 22 ms                                                                                |
| On switching time                                                      | 10 ms                                                                                |
| DC operating voltage range                                             | 21.6 V ... 26.4 V                                                                    |
| Duty cycle                                                             | 100%                                                                                 |
| Max. positive test pulse with 0 signal                                 | 500 µs                                                                               |
| Max. negative test pulse on 1 signal                                   | 500 µs                                                                               |
| Coil characteristics                                                   | 24 V DC: low-current phase 1.0 W, high-current phase 2.4 W                           |
| 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                                                                    |
| Temperature of medium                                                  | -5 °C ... 50 °C                                                                      |
| Relative air humidity                                                  | 0 - 90 %                                                                             |
| Protection against direct and indirect contact                         | PELV                                                                                 |
| Ambient temperature                                                    | -5 °C ... 50 °C                                                                      |
| Max. tightening torque for valve mounting                              | 0.9 Nm ... 1.1 Nm                                                                    |
| Product weight                                                         | 140 g                                                                                |
| Electrical connection                                                  | 3-pin<br>M12x1<br>Central plug<br>Round design                                       |
| Type of mounting                                                       | On sub-base                                                                          |
| Note on materials                                                      | RoHS-compliant                                                                       |