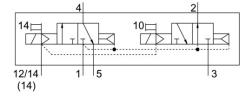
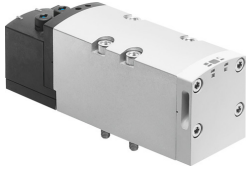


# Air solenoid valve VSVA-B-T32H-AZD-D2-1T1L

Part number: 560829

**FESTO**



## Data sheet

| Feature                                                                | Value                                                                     |
|------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Valve function                                                         | 2x3/2, open/closed, monostable                                            |
| KC characters                                                          | KC EMC                                                                    |
| Operating pressure                                                     | 0.3 MPa ... 1 MPa                                                         |
| Pilot pressure MPa                                                     | 0.3 MPa ... 1 MPa                                                         |
| Actuation type                                                         | Electrical                                                                |
| Width                                                                  | 52 mm                                                                     |
| Standard nominal flow rate                                             | 2400 l/min                                                                |
| Pneumatic working port                                                 | Sub-base, size 2 as per ISO 5599-2<br>G1/2                                |
| Operating voltage                                                      | 24V DC                                                                    |
| Operating pressure                                                     | 3 bar ... 10 bar                                                          |
| Design                                                                 | Piston gate valve                                                         |
| Degree of protection                                                   | IP65<br>NEMA 4                                                            |
| Certification                                                          | C-Tick<br>c CSA us (OL)<br>c UL us - Recognized (OL)                      |
| Width dimension                                                        | 59 mm                                                                     |
| Type code                                                              | VSVA                                                                      |
| Exhaust air function                                                   | With flow control option<br>Via throttle plate<br>Via individual sub-base |
| Sealing principle                                                      | Soft                                                                      |
| Mounting position                                                      | Any                                                                       |
| Conforms to standard                                                   | ISO 5599-2                                                                |
| Manual override                                                        | Detenting<br>Non-detenting                                                |
| Type of control                                                        | Pilot-controlled                                                          |
| Pilot air supply port                                                  | External                                                                  |
| Flow direction                                                         | Non-reversible                                                            |
| Symbol                                                                 | 00991818                                                                  |
| Signal status display                                                  | LED                                                                       |
| Pilot pressure                                                         | 3 bar ... 10 bar                                                          |
| Flow rate of pneumatic valve                                           | 3000 l/min                                                                |
| Flow rate of pneumatic valve on individual sub-base                    | 2600 l/min                                                                |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 2400 l/min                                                                |
| Switching time off                                                     | 35 ms                                                                     |
| On switching time                                                      | 20 ms                                                                     |

| Feature                                    | Value                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------|
| Duty cycle                                 | 100%                                                                                 |
| Max. positive test pulse with 0 signal     | 1000 µs                                                                              |
| Max. negative test pulse on 1 signal       | 3500 µs                                                                              |
| Nominal pick-up current per solenoid coil  | 165 mA to 30 ms                                                                      |
| Nominal current with current reduction     | 35 mA after 30 ms                                                                    |
| Coil characteristics                       | 24 V DC: 4.6 W                                                                       |
| Surge resistance                           | 2.5 kV                                                                               |
| Contamination level                        | 3                                                                                    |
| Permissible voltage fluctuations           | +/- 10 %                                                                             |
| 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)                   |
| CE marking (see declaration of conformity) | As per EU EMC directive                                                              |
| 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)           | 0 - No corrosion stress                                                              |
| Temperature of medium                      | -5 °C ... 50 °C                                                                      |
| Relative air humidity                      | 0 - 90 %                                                                             |
| Ambient temperature                        | -5 °C ... 50 °C                                                                      |
| Product weight                             | 740 g                                                                                |
| Electrical connection                      | Plug-in<br>as per ISO 5599-2                                                         |
| Type of mounting                           | On sub-base                                                                          |
| Pilot air port 12/14                       | Sub-base, size 2 as per ISO 5599-2                                                   |
| Pilot exhaust air port 82/84               | Optionally:<br>Not ducted as per standard<br>Ducted                                  |
| Pneumatic connection 1                     | Sub-base, size 2 as per ISO 5599-2                                                   |
| Pneumatic connection 2                     | Sub-base, size 2 as per ISO 5599-2                                                   |
| Pneumatic connection 3                     | Sub-base, size 2 as per ISO 5599-2                                                   |
| Pneumatic connection 4                     | Sub-base, size 2 as per ISO 5599-2                                                   |
| Pneumatic connection 5                     | Sub-base, size 2 as per ISO 5599-2                                                   |
| Note on materials                          | RoHS-compliant                                                                       |
| Seals material                             | FPM<br>HNBR<br>NBR                                                                   |
| Housing material                           | Die-cast aluminum<br>PA                                                              |
| Material of screws                         | Steel, galvanized                                                                    |