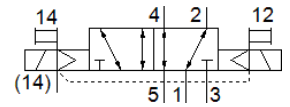
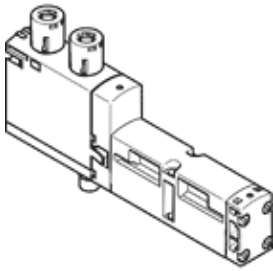


# Solenoid valve

## VSVA-B-B52-ZTR-A2-1T1L

Part number: 8033450

FESTO



### Data sheet

| Feature  | Value  |
|--|--|
| Valve function   | 5/2 bistable   |
| Type of actuation  | electrical   |
| Width  | 18 mm  |
| Standard nominal flow rate                                   | 550 l/min  |
| Operating pressure MPa                                       | -0.09 ... 1 MPa  |
| Working pressure   | -0.9 ... 10 bar  |
| Design structure   | Piston slide   |
| Authorization  | c UL us - Recognized (OL)  |
| Protection class   | IP65<br>NEMA 4   |
| Exhaust-air function   | throttleable<br>Via throttle plate<br>Via individual sub-base                                  |
| Sealing principle  | soft   |
| Assembly position  | Any  |
| Manual override  | with accessories, detenting<br>Pushing   |
| Type of piloting   | Piloted  |
| Pilot air supply   | external<br>Internal   |
| Flow direction   | Any  |
| Lap  | Positive overlap   |
| Signal status display  | LED  |
| Pilot pressure MPa   | 0.3 ... 1 MPa  |
| Pilot pressure   | 3 ... 10 bar   |
| Flow rate of valve   | 750 l/min  |
| Flow rate of valve on individual subbase                     | 600 l/min  |
| Optimized flow rate of valve pneumatically concatenated flow | 700 l/min  |
| Flow rate of pneumatically linked valve                      | 550 l/min  |
| Switching time reversal                                      | 11 ms  |
| Duty cycle   | 100 %  |
| Max. positive test pulse with logic 0                        | 1,500 µs   |
| Max. negative test pulse with logic 1                        | 800 µs   |
| Max. current consumption                                     | 72 mA  |
| Nominal operating voltage DC                                 | 24 V   |
| Characteristic coil data                                     | 24 V DC: 1.6 W   |
| Surge strength   | 2.5 kV   |
| Degree of contamination                                      | 3  |
| 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 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              |

| <b>Feature</b>                          | <b>Value</b>   |
|---|--|
| Corrosion resistance classification CRC | 0 - No corrosion stress                                  |
| PWIS conformity                         | VDMA24364-B1/B2-L  |
| Relative air humidity                   | 0 - 90 %   |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature                     | -5 ... 50 °C   |
| Product weight                          | 172 g  |
| Electrical connection                   | Plug-in<br>according to ISO 15407-2                      |
| Mounting type                           | On subbase   |
| Auxiliary pilot air port 12/14          | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Pilot exhaust port 82/84                | Optional<br>Not ducted as per standard<br>Ducted         |
| Pneumatic connection, port 1            | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 2            | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 3            | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 4            | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 5            | Manifold block, size 18 mm acc. to ISO 15407-2           |
| Materials note                          | Conforms to RoHS   |
| Material seals                          | FPM<br>HNBR<br>NBR                                       |
| Material housing                        | Aluminum die cast<br>PA                                  |
| Material screws                         | Galvanized steel   |