

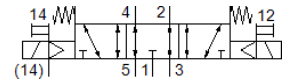
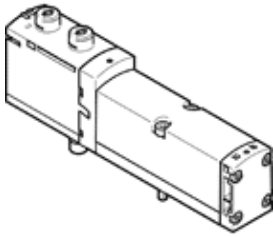
# solenoid valve

## VSVA-B-P53E-ZD-A1-2AT1L

Part number: 539148

FESTO

For valve terminals VTSA and VTSA-F.



## Data sheet

| Feature  | Value  |
|--|--|
| Valve function   | 5/3 exhausted  |
| Type of actuation  | electrical   |
| Width  | 26 mm  |
| Standard nominal flow rate                                   | 1,000 l/min  |
| Operating pressure   | -0.9 ... 10 bar  |
| Design structure   | Piston slide   |
| CE mark (see declaration of conformity)                      | to EU directive low-voltage devices  |
| 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  | detenting<br>Pushing<br>Covered  |
| Type of piloting   | Piloted  |
| Pilot air supply   | external<br>Internal   |
| Flow direction   | Any  |
| Overlap  | Positive overlap   |
| Signal status display  | LED  |
| Pilot pressure   | 3 ... 10 bar   |
| Flow rate of valve   | 1,400 l/min  |
| Flow rate of valve on individual sub-base                    | 1,200 l/min  |
| Optimised flow rate of valve pneumatically concatenated flow | 1,350 l/min  |
| Flow rate of pneumatically linked valve                      | 1,000 l/min  |
| Switching time off   | 65 ms  |
| Switching time on  | 22 ms  |
| Duty cycle   | 100 %  |
| Nominal operating voltage, AC                                | 110 V  |
| Characteristic coil data                                     | 110/120 V AC: 50/60 Hz, power 1.6 VA   |
| 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              |
| Corrosion resistance classification CRC                      | 0 - No corrosion stress  |

| <b>Feature</b>                 | <b>Value</b>   |
|--------------------------------|--|
| 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                 | 320 g  |
| Electrical connection          | Plug-in<br>according to ISO 15407-2                      |
| Mounting type                  | On sub-base  |
| Auxiliary pilot air port 12/14 | Manifold block, size 26 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 26 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 2   | Manifold block, size 26 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 3   | Manifold block, size 26 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 4   | Manifold block, size 26 mm acc. to ISO 15407-2           |
| Pneumatic connection, port 5   | Manifold block, size 26 mm acc. to ISO 15407-2           |
| Materials note                 | Conforms to RoHS   |
| Material seals                 | FPM<br>HNBR<br>NBR                                       |
| Material housing               | Aluminium die cast<br>PA                                 |
| Material screws                | Galvanised steel   |