

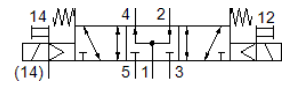
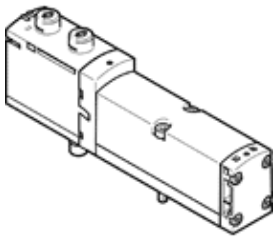
solenoid valve

VSVA-B-P53U-ZD-A1-2AT1L

Part number: 539147

FESTO

For valve terminals VTSA and VTSA-F.



Data sheet

| Feature | Value |
|--|--|
| Valve function | 5/3 pressurised |
| 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 NEMA 4 |
| Exhaust-air function | throttleable Via throttle plate Via individual sub-base |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | detenting Pushing Covered |
| Type of piloting | Piloted |
| Pilot air supply | external 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 |

| Feature | Value |
|--------------------------------|--|
| 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 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 Not ducted as per standard 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 HNBR NBR |
| Material housing | Aluminium die cast PA |
| Material screws | Galvanised steel |