

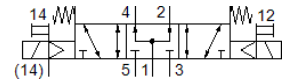
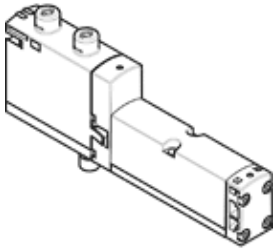
solenoid valve

VSVA-B-P53U-ZD-A2-2AT1L

Part number: 539173

FESTO

For valve terminals VTSA and VTSA-F.



Data sheet

Feature	Value
Valve function	5/3 pressurised
Type of actuation	electrical
Width	18 mm
Standard nominal flow rate	450 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	700 l/min
Flow rate of valve on individual sub-base	500 l/min
Optimised flow rate of valve pneumatically concatenated flow	480 l/min
Flow rate of pneumatically linked valve	450 l/min
Switching time off	44 ms
Switching time on	15 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	191 g
Electrical connection	Plug-in according to ISO 15407-2
Mounting type	On sub-base
Auxiliary pilot air port 12/14	Manifold block, size 18 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 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 HNBR NBR
Material housing	Aluminium die cast PA
Material screws	Galvanised steel