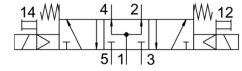
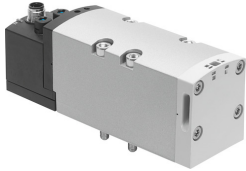


# Air solenoid valve VSVA-B-P53U-D-D2-1R5L

Part number: 566999

**FESTO**



## Data sheet

Feature	Value
Valve function	5/3, pressurized
Lap	Overlap
KC characters	KC EMC
Operating pressure	0.3 MPa ... 1 MPa
Actuation type	Electrical
Width	52 mm
Standard nominal flow rate	2700 l/min
Pneumatic working port	Sub-base, size 2 as per ISO 5599-1 G3/8
Operating voltage	24V DC
Operating pressure	3 bar ... 10 bar
Design	Piston gate valve
Degree of protection	IP65 NEMA 4
Certification	C-Tick c CSA us (OL) c UL us - Recognized (OL)
Nominal width	15 mm
Width dimension	59 mm
Type code	VSVA
Exhaust air function	With flow control option Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991083
Signal status display	LED
Flow rate of pneumatic valve	3600 l/min
Flow rate of pneumatic valve on individual sub-base	2300 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	2700 l/min
Switching time off	60 ms
On switching time	23 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
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 %
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Product weight	780 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base
Pneumatic connection 1	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 2 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum PA
Material of screws	Steel Galvanized