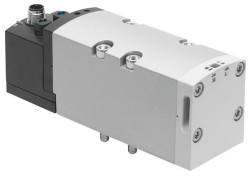
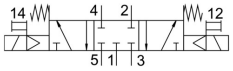
Air solenoid valve
VSVA-B-P53C-D-D2-1R5L

Part number: 566997





Data sheet

Feature	Value
Valve function	5/3, closed
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	0.3 MPa ... 1 MPa
Operating pressure	3 bar ... 10 bar
Design	Piston gate valve
Certification	C-Tick c CSA us (OL) c UL us - Recognized (OL)
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Degree of protection	IP65 NEMA 4
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	00991080
Lap	Overlap
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

Feature	Value
On switching time	23 ms
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)
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