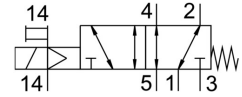
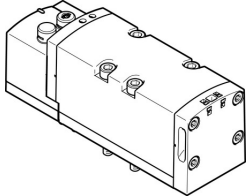


Air solenoid valve VSVA-B-M52-MZD-D2-1T1L

Part number: 560821

FESTO



Data sheet

Feature	Value
Valve function	5/2, monostable
KC characters	KC EMC
Operating pressure	-0.09 MPa ... 1 MPa
Pilot pressure MPa	0.3 MPa ... 1 MPa
Actuation type	Electrical
Width	52 mm
Standard nominal flow rate	2900 l/min
Pneumatic working port	Sub-base, size 2 as per ISO 5599-2 G1/2
Operating voltage	24V DC
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65 NEMA 4
Certification	C-Tick c CSA us (OL) c UL us - Recognized (OL)
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 5599-2
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Any
Symbol	00991190
Signal status display	LED
Pilot pressure	3 bar ... 10 bar
Flow rate of pneumatic valve	4000 l/min
Flow rate of pneumatic valve on individual sub-base	3400 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	2900 l/min
Switching time off	60 ms

Feature	Value
On switching time	20 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
Surge resistance	2.5 kV
Contamination level	3
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 %
Ambient temperature	-5 °C ... 50 °C
Product weight	702 g
Electrical connection	Plug-in as per ISO 5599-2
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base, size 2 as per ISO 5599-2
Pilot exhaust air port 82/84	Optionally: Not ducted as per standard Ducted
Pneumatic connection 1	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 2	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 3	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 4	Sub-base, size 2 as per ISO 5599-2
Pneumatic connection 5	Sub-base, size 2 as per ISO 5599-2
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum PA
Material of screws	Steel, galvanized