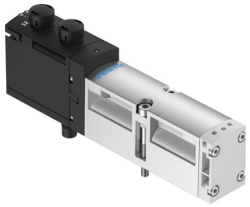
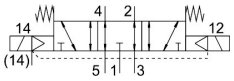
Air solenoid valve
VSVA-B-P53E-Z-A1-1T1L

Part number: 8033070





Data sheet

Feature	Value
Valve function	5/3 exhausted
Actuation type	Electrical
Width	26 mm
Normal nominal flow rate (normalized to DIN 1343)	1000 l/min
Pneumatic working port	Sub-base, size 26 mm according to ISO 15407-1 Connecting plate size 01 according to VDMA 24563 G1/4
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Certification	c UL us - recognized (OL)
Degree of protection	IP65 NEMA 4
Exhaust air function	Adjustable Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Manual override	Covered
Type of control	Piloted
Pilot air supply port	External Internal
Flow direction	Any
Lap	Positive overlap
Signal status display	LED
Pilot pressure MPa	0.3 MPa...1 MPa
Pilot pressure	3 bar...10 bar
Flow rate of pneumatic valve	1400 l/min
Flow rate of pneumatic valve on individual sub-base	1200 l/min
Optimized flow rate of pneumatic valve, pneumatically concatenated flow	1350 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	1000 l/min
Switching time off	65 ms

Feature	Value
On switching time	22 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1200 µs
Max. negative test pulse on 1 signal	1100 µs
Max. current consumption	72 mA
Nominal operating voltage DC	24 V
Coil characteristics	24 V DC: 1.6 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)
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
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	320 g
Electrical connection	Plug-in As per ISO 15407-2
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base, size 26 mm as per ISO 15407-2
Pilot exhaust air port 82/84	Ducted Not ducted as per standard Alternatively:
Pneumatic connection 1	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 2	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 3	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 4	Sub-base, size 26 mm as per ISO 15407-2
Pneumatic connection 5	Sub-base, size 26 mm as per ISO 15407-2
Note on materials	RoHS compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum PA
Material of screws	Galvanized steel