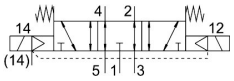
Air solenoid valve
VSVA-B-P53E-Z-D1-1T1L

Part number: 8034841





Data sheet

Feature	Value
Valve function	5/3 exhausted
Actuation type	Electrical
Width	42 mm
Normal nominal flow rate (normalized to DIN 1343)	1200 l/min
Pneumatic working port	Sub-base, size 1 as per ISO 5599-2 G3/8
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
Flow direction	Any
Signal status display	LED
Pilot pressure MPa	0.3 MPa...1 MPa
Pilot pressure	3 bar...10 bar
Flow rate of pneumatic valve	1700 l/min
Flow rate of pneumatic valve on individual sub-base	1400 l/min
Optimized flow rate of pneumatic valve, pneumatically concatenated flow	1690 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	1200 l/min
Switching time off	65 ms
On switching time	22 ms
Max. positive test pulse with 0 signal	1400 µs

Feature	Value
Max. negative test pulse on 1 signal	900 µs
Nominal pick-up current per solenoid coil	72 mA up to 30 ms
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%
Ambient temperature	-5 °C...50 °C
Product weight	456 g
Electrical connection	Plug-in As per ISO 5599-2
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base, size 1 as per ISO 5599-2
Pilot exhaust air port 82/84	Ducted Not ducted as per standard Alternatively:
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-2
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-2
Note on materials	RoHS compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum PA
Material of screws	Galvanized steel