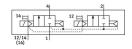
Air solenoid valve VSVA-B-T22C-AZH-D1-1T1L

FESTO

Part number: 8034812





General operating condition

Data sheet

Actuation type Electrical	Feature	Value
Avidith 42 mm Standard nominal flow rate 1400 l/min Sub-base, size 1 as per ISO 5599-2 G378 Operating voltage 24V DC Operating pressure 0,3 MPa 1 MPa Operating pressure 0,3 MPa 1 MPa Operating pressure Piston gate valve Reset method Pneumatic spring Certification Cull us - Recognized (OL) Degree of protection REMA 4 Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Oo992246 Signal status display LED Pilot pressure MPa 0,3 MPa 1 MPa Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow in switching time off Dis witching time 20 ms Non- sweptiching time off 38 ms On switching time off 38 ms Non- sweptive test pulse with 0 signal Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Mountinal pick-up current per solenoid coil Non-neuersible on to signal 1100 µs Noninal pick-up current per solenoid coil	Valve function	2x2/2 closed, monostable
Standard nominal flow rate Pneumatic working port Sub-base, size 1 as per ISO 5599-2 G3/8 Operating voltage 24V DC Operating pressure 0.3 MPa 1 MPa Operating pressure 9.3 MPa 1 MPa Operating pressure 9.5 Extructural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) Obegree of protection PP65 NEMA 4 Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol 00992246 Signal status display LED Flow graces with O sar Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil Non-Recognized flow rate of signal Nominal pick-up current per solenoid coil Non-Recognized flow rate on 1 signal Nominal pick-up current per solenoid coil Non-Recognized flow rate on 1 signal Non-Recognized flow rate on 1	Actuation type	Electrical
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G3/8 Deperating voltage 24 V DC Depreating pressure 0.3 MPa 1 MPa Deperating pressure 3 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cut.us - Recognized (OL) Degree of protection P65 NEMA 4 Exthaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Manual override Non-detenting Pitot of air supply port External Flow direction Non-reversible Symbol 00992246 Flow direction Non-reversible Symbol 10992246 Flow direction Non-reversible Symbol 10992246 Flow direction Non-reversible Symbol 100992246 Flow arte of pneumatic valve on individual sub-base Flow rate of pneumatic valve on individual sub-base Deptimized flow rate of pneumatic valve, pneumatically concatenated flow Deptimized flow rate of pneumatic valve, pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic valve pneumatically concatenated flow Deptimized flow rate of pneumatic va	Standard nominal flow rate	1400 l/min
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Reset method Pneumatic spring Certification c UL us - Recognized (OL) Degree of protection P65 NEMA 4 Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol Ou992246 Signal status display LED Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve, pneumatically concatenated flow Individual sub-display Dittimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Dittimized flow rate of pneumatic valve pneumatically concatenated flow Displication flow Do switching time Do switching time Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil Normal pick-up current per solenoid coil	Operating pressure	3 bar 10 bar
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Degree of protection IP65 NEMA 4 Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Manual override Non-detenting Ipiot-controlled Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Signal status display LED Pilot pressure MPa 10.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Flow rate of pneumatic valve, pneumatically concatenated flow Doptimized flow rate of pneumatic valve, pneumatically concatenated flow Switching time off On switching time Max. positive test pulse with 0 signal Moninal pick-up current per solenoid coil Nom to 30 ms With flow control option Via individual sub-base Soft Any Mith flow control option Via individual sub-base Stoft Any Mith flow control option Via individual sub-base 1400 l/min 1500 l/min 1600 l/m	Reset method	Pneumatic spring
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Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O9992246 Signal status display LED Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure I 600 I/min Flow rate of pneumatic valve I 600 I/min Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow As megative test pulse with 0 signal Max. positive test pulse with 0 signal Nominal pick-up current per solenoid coil On Mato 30 ms	Exhaust air function	
Manual override Non-detenting Type of control Pilot-controlled External Flow direction Non-reversible Symbol Signal status display Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure MPa 1600 I/min Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow As megative test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil Non-detenting External External Pilot-controlled Don-reversible External Pilot-controlled Don-reversible External Pilot-controlled Don-reversible External Pilot-controlled Don-reversible Don-reversibl	Sealing principle	Soft
Figure of control Pilot air supply port External Flow direction Non-reversible Symbol O9992246 Signal status display LED Pilot pressure MPa O.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concaten	Mounting position	Any
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Symbol 00992246 Signal status display LED Pilot pressure MPa 0.3 MPa 1 MPa Pilot pressure Special Speci	Pilot air supply port	External
Signal status display Pilot pressure MPa 0.3 MPa 1 MPa 3 bar 10 bar Flow rate of pneumatic valve 1600 l/min Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow 1400 l/min Switching time off 38 ms On switching time 20 ms Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil 60 mA to 30 ms	Flow direction	Non-reversible
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Pilot pressure 3 bar 10 bar Flow rate of pneumatic valve 1600 l/min Flow rate of pneumatic valve on individual sub-base 1400 l/min Description of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow 1500 l/min Switching time off 38 ms On switching time 20 ms Max. positive test pulse with 0 signal 1600 µs Max. negative test pulse on 1 signal 1100 µs Nominal pick-up current per solenoid coil 60 mA to 30 ms	Signal status display	LED
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Flow rate of pneumatic valve on individual sub-base Optimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow 1400 l/min Switching time off 38 ms On switching time 20 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil 60 mA to 30 ms	Pilot pressure	3 bar 10 bar
Deptimized flow rate of pneumatic valve, pneumatically concatenated flow Optimized flow rate of pneumatic valve pneumatically concatenated flow 1400 l/min Switching time off On switching time 20 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Nominal pick-up current per solenoid coil 1500 l/min 1400 l/min 1400 l/min 1400 l/min 1800 ms 1800 ms 1600 ms 1600 ms 1600 ms 100 ms	Flow rate of pneumatic valve	1600 l/min
Flow Optimized flow rate of pneumatic valve pneumatically concatenated flow 1400 l/min Switching time off 38 ms On switching time 20 ms Max. positive test pulse with 0 signal 1600 µs Max. negative test pulse on 1 signal 1100 µs Nominal pick-up current per solenoid coil 60 mA to 30 ms	Flow rate of pneumatic valve on individual sub-base	1400 l/min
Switching time off 38 ms On switching time 20 ms Max. positive test pulse with 0 signal 1600 µs Max. negative test pulse on 1 signal 1100 µs Nominal pick-up current per solenoid coil 60 mA to 30 ms	Optimized flow rate of pneumatic valve, pneumatically concatenated flow	1500 l/min
On switching time 20 ms Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse on 1 signal 1100 μs Nominal pick-up current per solenoid coil 60 mA to 30 ms	Optimized flow rate of pneumatic valve pneumatically concatenated flow	1400 l/min
Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse on 1 signal 1100 μs Nominal pick-up current per solenoid coil 60 mA to 30 ms	Switching time off	38 ms
Max. negative test pulse on 1 signal 1100 μs Nominal pick-up current per solenoid coil 60 mA to 30 ms	On switching time	20 ms
Nominal pick-up current per solenoid coil 60 mA to 30 ms	Max. positive test pulse with 0 signal	1600 μs
	Max. negative test pulse on 1 signal	1100 μs
Call shave stavistics	Nominal pick-up current per solenoid coil	60 mA to 30 ms
24 V DC: 1.3 W	Coil characteristics	24 V DC: 1.3 W

Feature	Value
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	442 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 Optionally:
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	Steel, galvanized