## Air solenoid valve VSVA-B-T32H-AZH-A2-1C1

Part number: 547073



## **Data sheet**

Actuation type     Electrical       Valve size     18 mm       Standard nominal flow rate     400 l/min       Pneumatic working port     Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563 G1/8       Opperating voltage     24V DC       Opperating pressure     2.0 MPa1 MPa 2 bar10 bar       Structural design     Piston gate valve       Reset method     Pneumatic spring       Certification     CUL us - Recognized (OL)       Degree of protection     IP65 NEMA 4       Nominal width     5 mm       Schaust air function     With flow control option       Sealing principle     Soft       Wounting position     Any       Conforms to standard     ISO 15407-1       VDMA 24563     VDMA 24563       Manual override     Non-detenting       Vipp of control     Pilot-controlled       Pilot gatus display     Eternal       -low direction     Nor-reversible       .ap     Overlap       Signal status display     LED       Pilot pressure MPa     0.3 MPa1 MPa       Pilot pressure MPa     <	Feature	Value
Yalve size   18 mm     Standard nominal flow rate   400 l/min     Pneumatic working port   Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563 G1/8     Operating voltage   24V DC     Operating pressure   0.2 MPa1 MPa 2 bar10 bar     Structural design   Piston gate valve     Reset method   Pneumatic spring     Certification   c UL us - Recognized (OL)     Degree of protection   IP65 NEMA 4     Nominal width   5 mm     Schaust air function   With flow control option     Sealing principle   Soft     Wounting position   Any     Conforms to standard   Pilot-controlled     Type of control   Pilot-controlled     Type of control   Pilot-controlled     Took direction   Non-detenting     Type of control   Pilot-controlled     Took direction   Non-reversible     Low direction   Non-reversible     Low direction   Non-reversible     Low direction   Non-reversible     Low direction   Overlap     Sing at status display   LED	Valve function	2x3/2, open/closed, monostable
Standard nominal flow rate 400 l/min   Pneumatic working port Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563 G1/8   Operating voltage 24V DC   Operating pressure 0.2 MPa1 MPa 2 bar10 bar   Structural design Piston gate valve   Reset method Pneumatic spring   Certification c UL us - Recognized (OL)   Degree of protection IP65 NEMA 4   Nominal width 5 mm   Extandard override Soft   Mounting position Any   Conforms to standard Sico 15407-1 VDMA 24563   Manual override Non-detenting   Fype of control Pilot-controlled   Pilot air supply port External   Citow port Deversible   Citop of control Non-reversible   Citop of control 0.3 MPa1 MPa   Pilot pressure MPa	Actuation type	Electrical
Preumatic working port   Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563 G1/8     Operating voltage   24V DC     Operating pressure   0.2 MPa1 MPa 2 bar10 bar     Structural design   Piston gate valve     Reset method   Pneumatic spring     certification   c UL us - Recognized (OL)     Degree of protection   IP65 NEMA 4     Nominal width   5 mm     Scaling principle   Soft     Mounting position   Any     Conforms to standard   ISO 15407-1 VDMA 24563     Vipp of control   Pilot-controlled     Vipp of control   Pilot-controlled     Vipp of control   Pilot-controlled     Pilot pressure   0.3 MPa1 MPa     -ap   Overlap     Dignal status display   LED     Pilot pressure   3.0 Mar1 MPa     Pilot pressure   3.0 Mar1 MPa     Pilot pressure   3.0 Mar1 MPa     Dipting pressure   3.0 Mar1 MPa     Dipting pressure   3.0 Mar1 MPa     Dipting pressure   3.0 Mar1 MPa     Diptoressure   600 I/min     <	Valve size	18 mm
Connecting plate size 02 according to VDMA 24563 G1/8Operating voltage24V DCOperating pressure0.2 MPa1 MPa 2 bar10 barStructural designPiston gate valveReset methodPneumatic springcertificationc UL us - Recognized (OL)Degree of protectionIP65 NEMA 4Nominal width5 mmExahust air functionSoftWounting positionAnyConforms to standardISO 15407-1 VDMA 24563Vipp of controlPilot pressurePilot air supply portExternalFilot air supply portExternalFilot air supply portExternalFilot pressure0.3 MPa1 MPaPilot pressure3 bar10 barFilot pressure600 //minConforms to standardSoftVomal displayLEDPilot pressure0.3 MPa1 MPaSignal status displayLEDPilot pressure3 bar10 barTow rate of pneumatic valve on individual sub-base450 //minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 //min	Standard nominal flow rate	400 l/min
Deperating pressure   0.2 MPa1 MPa     2 bar10 bar     Structural design   Piston gate valve     Reset method   Pneumatic spring     Certification   c UL us - Recognized (OL)     Degree of protection   IP65     Nominal width   5 mm     Exhaust air function   With flow control option     Sealing principle   Soft     Mounting position   Any     Conforms to standard   IS 15407-1     VOMA 24563   VOMA 24563     Manual override   Non-detenting     Pipe of control   Pilot-controlled     Pilot air supply port   External     Clow direction   Non-reversible     .ap   Overlap     Signal status display   LED     Pilot pressure MPa   0.3 MPa1 MPa     Pilot pressure MPa   0.3 MPa10 bar     Clow rate of pneumatic valve on individual sub-base   450 I/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   400 I/min	Pneumatic working port	Connecting plate size 02 according to VDMA 24563
2 bar10 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP65 NEMA 4Nominal width5 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyConforms to standardIS0 15407-1 VDMA 24563Manual overrideNon-detentingFype of controlPilot-controlledPilot air supply portExternal-Tow directionNon-reversible.apOverlapSignal status displayLDPilot presure3 bar10 barFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Operating voltage	24V DC
Accest method     Pneumatic spring       Certification     c UL us - Recognized (OL)       Degree of protection     IP65 NEMA 4       Vominal width     5 mm       Exhaust air function     With flow control option       Sealing principle     Soft       Wounting position     Any       Conforms to standard     ISO 15407-1 VDMA 24563       Manual override     Non-detenting       Pipe of control     Pilot-controlled       Pilot air supply port     External       Clow direction     Non-reversible       .ap     Overlap       Signal status display     LED       Pilot pressure     3 bar10 bar       Flow rate of pneumatic valve on individual sub-base     450 l/min       Optimized flow rate of pneumatic valve pneumatically concatenated flow     400 l/min	Operating pressure	
Certification   c UL us - Recognized (OL)     Degree of protection   IP65 NEMA 4     Nominal width   5 mm     Exhaust air function   With flow control option     Sealing principle   Soft     Mounting position   Any     Conforms to standard   ISO 15407-1 VDMA 24563     Manual override   Non-detenting     Pilot -controlled   Pilot-controlled     Pilot air supply port   External     -low direction   Non-reversible     .ap   Overlap     Signal status display   LED     Pilot pressure MPa   0.3 MPa1 MPa     Pilot pressure   3 bar10 bar     -low rate of pneumatic valve on individual sub-base   450 l/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   400 l/min	Structural design	Piston gate valve
Degree of protectionIP65 NEMA 4Nominal width5 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Wanual overrideNon-detentingPilot-control ledPilot-controlledPilot air supply portExternalConforms to standardNon-reversible.apOverlapSignal status displayLEDPilot pressure3 bar10 barPilot pressure600 l/minPilow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Reset method	Pneumatic spring
NEMA 4Nominal width5 mmExhaust air functionWith flow control optionSealing principleSoftWounting positionAnyConforms to standardISO 15407-1 VDMA 24563Wanual overrideNon-detentingFype of controlPilot-controlledPilot air supply portExternalSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure MPa3 bar10 barPow rate of pneumatic valve on individual sub-base400 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Certification	c UL us - Recognized (OL)
Exhaust air functionWith flow control optionSealing principleSoftWounting positionAnyConforms to standardISO 15407-1 VDMA 24563Wanual overrideNon-detentingFlope of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible.apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure for pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Degree of protection	
Sealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible.apOverlapSignal status displayLEDPilot pressureAnyan.1 MPaPilot ressure MPa600 l/minChow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Nominal width	5 mm
Wounting positionAnyConforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible-apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barFlow rate of pneumatic valve pneumatically concatenated flow400 l/min	Exhaust air function	With flow control option
Conforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible.apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Sealing principle	Soft
VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible-apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Mounting position	Any
Type of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversible.apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure for pneumatic valve600 l/minFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Conforms to standard	
Pilot air supply portExternalPilot air supply portExternalFlow directionNon-reversible.apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barFlow rate of pneumatic valve600 l/minFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Manual override	Non-detenting
Flow directionNon-reversible.apOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barFlow rate of pneumatic valve600 l/minFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Type of control	Pilot-controlled
LapOverlapSignal status displayLEDPilot pressure MPa0.3 MPa1 MPaPilot pressure for pneumatic valve3 bar10 barFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Pilot air supply port	External
Signal status display   LED     Pilot pressure MPa   0.3 MPa1 MPa     Pilot pressure   3 bar10 bar     Flow rate of pneumatic valve   600 l/min     Flow rate of pneumatic valve on individual sub-base   450 l/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   400 l/min	Flow direction	Non-reversible
Pilot pressure MPa   0.3 MPa1 MPa     Pilot pressure   3 bar10 bar     Flow rate of pneumatic valve   600 l/min     Flow rate of pneumatic valve on individual sub-base   450 l/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   400 l/min	Lap	Overlap
Pilot pressure 3 bar10 bar   Flow rate of pneumatic valve 600 l/min   Flow rate of pneumatic valve on individual sub-base 450 l/min   Optimized flow rate of pneumatic valve pneumatically concatenated flow 400 l/min	Signal status display	LED
Flow rate of pneumatic valve600 l/minFlow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Pilot pressure MPa	0.3 MPa1 MPa
Flow rate of pneumatic valve on individual sub-base450 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow400 l/min	Pilot pressure	3 bar10 bar
Optimized flow rate of pneumatic valve pneumatically concatenated flow 400 l/min	Flow rate of pneumatic valve	600 l/min
	Flow rate of pneumatic valve on individual sub-base	450 l/min
Switching time off 21 ms	Optimized flow rate of pneumatic valve pneumatically concatenated flow	400 l/min
	Switching time off	21 ms

## FESTO

Feature	Value
On switching time	13 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1800 µs
Max. negative test pulse on 1 signal	800 µs
Coil characteristics	24 V DC: 1.8 W
Permissible voltage fluctuations	-15 % / +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
Temperature of medium	-5 ℃50 ℃
Relative air humidity	0 - 90 %
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Max. tightening torque for valve mounting	1 Nm
Product weight	174 g
Electrical connection	Form C as per DIN EN 175301-803 Without PE conductor
Type of mounting	On sub-base
Auxiliary pilot air port 12	Sub-base, size 18 mm as per ISO 15407-1
Auxiliary pilot air port 14	Sub-base, size 18 mm as per ISO 15407-1
Pilot exhaust air port 82/84	Ducted Not ducted as per standard
Pneumatic connection 1	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 2	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 3	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 4	Sub-base, size 18 mm as per ISO 15407-1
Pneumatic connection 5	Sub-base, size 18 mm as per ISO 15407-1
Pilot interface	as per ISO 15218
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum
Material of screws	Steel Galvanized