## Air solenoid valve VSVA-B-T32H-AD-D1-1R5L

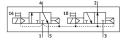
Part number: 561361



## **Data sheet**

Width   42 mm     Standard nominal flow rate   1100 l/min     Pneumatic working port   Sub-base, size 1 according to ISO 5599-1     Gl/4   Gperating voltage     Operating voltage   24V DC     Operating pressure   0.3 MPa1 MPa     3 bar10 bar   Structural design     Piston gate valve   Pneumatic spring     Certification   c UL us - Recognized (OL)     Degree of protection   IP65     NEMA 4   Nominal width     Nominal width   11 mm     With flow control option   Via throattle plate     Via throattle plate   Via throattle plate     Via throattle plate   Via throattle plate     Via throattle plate   Soft     Mounting position   Any     Conforms to standard   ISO 5599-1     Manual override   Detenting     Nor-detenting   Nor-detenting     Piot-control   Piot-controled     Piot air supply port   Internal     Flow air of pneumatic valve   1600 l/min     Flow air of pneumatic valve   1600 l/min     Flow rate of pneumatic valve pneumatically concatenated flow   <	Feature	Value
Width 42 mm   Standard nominal flow rate 1100 l/min   Pneumatic working port Sub-base, size 1 according to ISO 5599-1   Gl/4 Gperating voltage   Operating voltage 24V DC   Operating pressure 0.3 MPa1 MPa   3 bar10 bar 3   Structural design Piston gate valve   Reset method Pneumatic spring   Certification c UL us - Recognized (OL)   Degree of protection IP65   Nominal width 11 mm   With dimension 43 mm   Exhaust air function With flow control option   Via throttle plate Via individual sub-base   Sealing principle Soft   Mounting position Any   Conforms to standard ISO 5599-1   Manual override Detenting   Type of control Plot-controled   Plot air supply port Internal   Flow aire of pneumatic valve Io001/min   Flow aire of pneumatic valve Io001/min   Flow rate of pneumatic valve Io001/min	Valve function	2x3/2, open/closed, monostable
Standard nominal flow rate   1100 l/min     Pneumatic working port   Sub-base, size 1 according to ISO 5599-1     G1/4   G1/4     Operating voltage   24V DC     Operating pressure   0.3 MPa1 MPa     3 bar10 bar   Structural design     Structural design   Piston gate valve     Reset method   Cul. us - Recognized (OL)     Degree of protection   IP65     Numinal width   11 mm     Widt hiemension   43 mm     Exhaust air function   With flow control option     Via throttle plate   Via individual sub-base     Sealing principle   Soft     Mounting position   Any     Conforms to standard   ISO 5599-1     Manual override   Detenting     Non-detenting   Non-detenting     Piot-controlled   Pilot-controlled     Pilot air supply port   Internal     Flow ate of pneumatic valve   1600 l/min     Flow rate of pneumatic valve   1600 l/min     Optimized flow rate of pneumatic valve pneumatically concatented flow   100 l/min	Actuation type	Electrical
Pneumatic working port     Sub-base, size 1 according to ISO 5599-1 G1/4       Operating voltage     24V DC       Operating pressure     0.3 MPa1 MPa 3 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     11 mm       With dimension     43 mm       Exhaust air function     With flow control option Via throttle plate Via individual sub-base       Sealing principle     Soft       Mounting position     Any       Conforms to standard     IS0 5599-1       Iterating     Non-detenting Non-detenting       Nor detenting     Non-detenting       Iteration     Internal       Flow rate of pneumatic valve on individual sub-base     Signal status display       ED     Flow rate of pneumatic valve neumatically concatentated flow	Width	42 mm
G1/4Operating voltage24/ DCOperating pressure0.3 MPa1 MPa 3 bar1 O barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (OL)Degre of protectionIP65 NEMA 4Nominal width11 mmWidth dimension43 mmExhaust air functionWith flow control option Via thord the plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardIS 5599-1Manal overridePieto-tenting Non-detenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow rate of pneumatic valve on individual sub-baseOverlapSignal status displayLEDFlow rate of pneumatic valve pneumatically concatentated flowInor-quertingOptimized flow rate of pneumatic valve pneumatically concatentated flowInor-quertingOptimized flow rate of pneumatic valve pneumatically concatentated flowInor-dimentically concatentated flowOptimized flow rate of pneumatic valve pneumatically concatentated flowInor-dimentically concatentated flowOptimized flow rate of pneumatic valve pneumatically concatentated flowInor-dimentically concatentated flowOptimized flow rate of pneumatic valve pneumatically concatentated flowInor-dimentically concatentated flow	Standard nominal flow rate	1100 l/min
Operating pressure   0.3 MPa1 MPa     3 bar10 bar     Structural design   Piston gate valve     Reset method   Pneumatic spring     Certification   c UL us - Recognized (OL)     Degree of protection   IP65     Nominal width   11 mm     Width dimension   43 mm     Exhaust air function   With flow control option     Via throttle plate   Via individual sub-base     Sealing principle   Soft     Monual override   Detenting     Manual override   Detenting     Non-detenting   Non-detenting     Type of control   Pilot-controlled     Pilot air supply port   Internal     Flow rate of pneumatic valve on individual sub-base   Isoo 1/min     Flow rate of pneumatic valve pneumatically concatenated flow   100 1/min	Pneumatic working port	
3 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     11 mm       Width dimension     43 mm       Exhaust air function     With flow control option Via throttle plate Via introttle plate       Sealing principle     Soft       Mounting position     Any       Conforms to standard     ISO 5599-1       Manual override     Detenting Non-detenting       Pilot-controlled     Pilot-controlled       Pilot supply port     Internal       Flow direction     Non-reversible       Lap     Overlap       Signal status display     LED       Flow rate of pneumatic valve on individual sub-base     1200 l/min	Operating voltage	24V DC
Reset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP65 NEMA 4Nominal width11 mmWidth dimension43 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 5599-1Manual overrideDetenting Non-detenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve pneumatically concatenated flow Itow rate of pneumatic valve pneumatically concatenated flow100 I/min	Operating pressure	
Certificationc UL us - Recognized (OL)Degree of protectionIP65 NEMA 4Nominal width11 mmWidth dimension43 mmExhaust air functionWith flow control option Via throttle plate via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 5599-1Manual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base1200 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Structural design	Piston gate valve
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Exhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 5599-1Manual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base100 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Nominal width	11 mm
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Mounting positionAnyConforms to standardISO 5599-1Manual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base1200 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Exhaust air function	Via throttle plate
Conforms to standardISO 5599-1Manual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base1600 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Sealing principle	Soft
Manual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base1200 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Mounting position	Any
Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve on individual sub-base1600 l/minFlow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Conforms to standard	ISO 5599-1
Pilot air supply port   Internal     Pilot air supply port   Internal     Flow direction   Non-reversible     Lap   Overlap     Signal status display   LED     Flow rate of pneumatic valve   1600 l/min     Flow rate of pneumatic valve on individual sub-base   1200 l/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   1100 l/min	Manual override	
Flow directionNon-reversibleLapOverlapSignal status displayLEDFlow rate of pneumatic valve1600 l/minFlow rate of pneumatic valve on individual sub-base1200 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Type of control	Pilot-controlled
LapOverlapSignal status displayLEDFlow rate of pneumatic valve1600 l/minFlow rate of pneumatic valve on individual sub-base1200 l/minOptimized flow rate of pneumatic valve pneumatically concatenated flow1100 l/min	Pilot air supply port	Internal
Signal status display LED   Flow rate of pneumatic valve 1600 l/min   Flow rate of pneumatic valve on individual sub-base 1200 l/min   Optimized flow rate of pneumatic valve pneumatically concatenated flow 1100 l/min	Flow direction	Non-reversible
Flow rate of pneumatic valve   1600 l/min     Flow rate of pneumatic valve on individual sub-base   1200 l/min     Optimized flow rate of pneumatic valve pneumatically concatenated flow   1100 l/min	Lap	Overlap
Flow rate of pneumatic valve on individual sub-base 1200 l/min   Optimized flow rate of pneumatic valve pneumatically concatenated flow 1100 l/min	Signal status display	LED
Optimized flow rate of pneumatic valve pneumatically concatenated flow 1100 l/min	Flow rate of pneumatic valve	1600 l/min
	Flow rate of pneumatic valve on individual sub-base	1200 l/min
Switching time off 38 ms	Optimized flow rate of pneumatic valve pneumatically concatenated flow	1100 l/min
	Switching time off	38 ms

## **FESTO**



Feature	Value
On switching time	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 μs
Max. negative test pulse on 1 signal	1100 μs
Coil characteristics	24 V DC: 1.3 W
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
Temperature of medium	-5 °C50 °C
Relative air humidity	0 - 90 %
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Product weight	442 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum PA
Material of screws	Steel Galvanized