## Air solenoid valve VSVA-B-D52-H-A2-1R2L

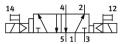
Part number: 534777



## **Data sheet**

Actuation type   Electrical     Width   18 mm     Standard nominal flow rate   550 1/min     Pneumatic working port   Sub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563     Operating voltage   24V DC     Operating pressure   0.3 MPa0.8 MPa 3 bar8 bar     Structural design   Piston gate valve     Certification   CTick c UL us - Recognized (OL)     CE marking (see declaration of conformity)   As per EU EMC directive     UKCA marking (see declaration of conformity)   As per EU EMC directive     Dargee of protection   IP65     Nominal width   5 mm     Exhaust air function   With flow control option     Sealing principle   Soft     Mounting position   Any     Conforms to standard   VDMA 24563     Maual override   Non-detenting     Pilot air supply port   Internal     Flow direction   Gor all electrical connections     Additional functions   Griedy sub-connol     Structural design   Overlap     Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduct	Feature	Value
Width18 mmStandard nominal flow rate550 l/minPneumatic working portSub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563Operating voltage24V DCOperating pressure0.3 MPa0.8 MPa 3 bar8 barStructural designPlston gate valveCertificationCrick c UL us - Recognized (OL)CE marking (see declaration of conformity)As per EU EMC directiveUKK Amarking (see declaration of conformity)To UK instructions for EMC to UK RoHS instructionsDegree of protectionIP65Nominal width5 mmSealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPlot-controlledPlot air supply portInternalReverse polarity protectionKorrapAget supplicationFor all electrical connectionsAdditional functionsHolding current reductionStaget substationsFor all electrical connectionsHolding current reductionHolding current reductionSignal status displayLEDFlow rate of pneumatic valveZ50 l/min	Valve function	5/2, bistable, dominant
Standard nominal flow rate550 l/minPneumatic working portSub-base, size 18 mm as per ISO 15407-1 Connecting plate size 02 according to VDMA 24563Operating voltage24 V DCOperating pressure0.3 MPa0.8 MPa 3 bar8 barStructural designPiston gate valveCertificationC'Itck c UL us - Recognized (OL)CE marking (see declaration of conformity)As per EU EMC directiveUKCA marking (see declaration of conformity)To UK instructions for EMC to UK RoHS instructionsDegree of protectionIP65Nominal width5 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Wanaul overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalElow directionKerese polarity protectionAdditional functionsHolding current reductionsAdditional functionsSoftStructural designNon-reversibleLapOverlapReverse polarity protectionFor all electrical connectionsAdditional functionsHolding current reductionSignal status displayLEDFlow rate of pneumatic valve750 I/min	Actuation type	Electrical
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Nominal width5 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLEDFlow rate of pneumatic valve750 l/min	UKCA marking (see declaration of conformity)	
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Sealing principleSoftMounting positionAnyConforms to standardISO 15407-1 VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLEDFlow rate of pneumatic valve750 l/min	Nominal width	5 mm
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VDMA 24563Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLEDFlow rate of pneumatic valve750 l/min	Mounting position	Any
Type of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleLapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLEDFlow rate of pneumatic valve750 l/min	Conforms to standard	
Pilot air supply port   Internal     Flow direction   Non-reversible     Lap   Overlap     Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction Safety shut-down     Signal status display   LED     Flow rate of pneumatic valve   750 l/min	Manual override	Non-detenting
Flow direction   Non-reversible     Lap   Overlap     Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction Safety shut-down     Signal status display   LED     Flow rate of pneumatic valve   750 l/min	Type of control	Pilot-controlled
Lap   Overlap     Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction Safety shut-down     Signal status display   LED     Flow rate of pneumatic valve   750 l/min	Pilot air supply port	Internal
Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction Safety shut-down     Signal status display   LED     Flow rate of pneumatic valve   750 l/min	Flow direction	Non-reversible
Additional functionsHolding current reduction Safety shut-downSignal status displayLEDFlow rate of pneumatic valve750 l/min	Lap	Overlap
Safety shut-down   Signal status display LED   Flow rate of pneumatic valve 750 l/min	Reverse polarity protection	for all electrical connections
Flow rate of pneumatic valve 750 l/min	Additional functions	
	Signal status display	LED
Flow rate of pneumatic valve on individual sub-base 550 l/min	Flow rate of pneumatic valve	750 l/min
	Flow rate of pneumatic valve on individual sub-base	550 l/min

## **FESTO**



Feature	Value
Optimized flow rate of pneumatic valve pneumatically concatenated flow	550 l/min
Changeover time	10 ms
DC operating voltage range	21.6 V26.4 V
Duty cycle	100%
Max. positive test pulse with 0 signal	500 μs
Max. negative test pulse on 1 signal	500 μs
Coil characteristics	24 V DC: low-current phase 1.0 W, high-current phase 2.4 W
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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C50 °C
Relative air humidity	0 - 90 %
Protection against direct and indirect contact	PELV
Ambient temperature	-5 °C50 °C
Max. tightening torque for valve mounting	0.9 Nm1.1 Nm
Product weight	140 g
Electrical connection	4-pin M8x1 Central plug Round design
Type of mounting	On sub-base
Note on materials	RoHS-compliant