## Air solenoid valve VSVA-B-P53E-H-A1-1R5L

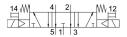
Part number: 534560



**Data sheet** 

Valve function5/3, exhaustedActuation typeElectricalWidth26 mmStandard nominal flow rate1000 l/minPneumatic working portSub-base, size 26 mm according to ISO 15407-1Operating voltage24V DCOperating pressure0.3 MPa 0.8 MPaOperating pressure3 bar 8 barStructural designPiston gate valveReset methodMechanical springCertificationRCM compliance mark c UL us - Recognized (01)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 protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionMit flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot distruptionSoftMounting position00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLED	Value	
Width   26 mm     Standard nominal flow rate   1000 1/min     Pneumatic working port   Sub-base, size 26 mm according to ISO 15407-1     Operating voltage   24V DC     Operating pressure   0.3 MPa     Operating pressure   3 bar 8 bar     Structural design   Piston gate valve     Reset method   Mechanical spring     Certification   RCM compliance mark compliance mark compliance mark compliance for MC To UK snown for EMC To UK RoHS instructions for EMC To UK RoHS instructions     Degree of protection   IP65     Nominal width   9 mm     Width dimension   27 mm     Exhaust air function   With flow control option Via individual sub-base     Sealing principle   Soft     Mounting position   Any     Conforms to standard   ISO 15407-1     Mau override   Non-detenting     Type of control   Pilot-controlled     Pilot air supply port   Internal     Flow direction   Non-reversible     Symbol   00991082     Lap   Overlap     Reverse polarity protection   for all electrical connections	5/3, 6	exhausted
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Operating voltage   24V DC     Operating pressure   0.3 MPa     Operating pressure   3 bar     Structural design   Piston gate valve     Reset method   Mechanical spring     Certification   RCM compliance mark c UL us - Recognized (OL)     CE marking (see declaration of conformity)   As per EU EMC directive     UKCA marking (see declaration of conformity)   To UK instructions for EMC To UK RoHS instructions     Degree of protection   IP65 NEMA 4     Nominal width   9 mm     Width dimension   27 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 15407-1     Manual override   Non-detenting     Type of control   Pilot-controlled     Pilot air supply port   Internal     Flow direction   Kor-detenting     Symbol   00991082     Lap   Overlap     Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction	al flow rate 1000	l/min
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Reverse polarity protection   for all electrical connections     Additional functions   Holding current reduction     Safety shut-down   Safety shut-down	0099	1082
Additional functions Holding current reduction Safety shut-down	Overl	ap
Safety shut-down	protection for al	l electrical connections
Signal status display LED		-
	play LED	
b-value 0.3	0.3	
C value 2.9 l/sbar	2.9 \/	sbar

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Feature	Value
Flow rate of pneumatic valve	1400 l/min
Flow rate of pneumatic valve on individual sub-base	1100 l/min
Optimized flow rate of pneumatic valve pneumatically concatenated flow	1000 l/min
Switching time off	52 ms
On switching time	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	500 μs
Max. negative test pulse on 1 signal	500 μs
Nominal pick-up current per solenoid coil	110 mA to 20 ms
Nominal current with current reduction	30 mA after 20 ms
Coil characteristics	24 V DC: low-current phase 1.0 W, high-current phase 2.4 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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C 50 °C
Relative air humidity	0 - 90 %
Protection against direct and indirect contact	PELV
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C 50 °C
Max. tightening torque for valve mounting	1.8 Nm 2.2 Nm
Product weight	270 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base With through-hole and screw
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	Die-cast aluminum