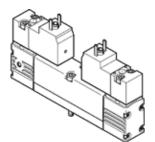
solenoid valve VSVA-B-P53C-H-A2-5C1 Part number: 547147

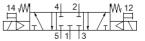
With square plug, shape C



Data sheet

942017-4 and EN 60068-2-6	ture	Value
Value size 18 mm Standard nominal flow rate 450 (/min Operating pressure 3 10 bar Design structure Piston slide Type of reset mechanical spring Protection class IP65 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard IS5407-1 VDMA 24563 Value 32663 Manual override Pushing Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Overlap Softwe overlap Signal status display LED Flow rate of valve on individual sub-base 500 //min Flow rate of valve on individual sub-base 20 ms Duty cycle 100 % Characteristic coil data 12 VD C: 1.8 W Permissible voltage fluctuation -15 % / -10 % Operating medium Compressed air naccordance with FN 942017-5 a 60068-2-6 Shock resistance Shock resist with severity level 2 in accordance with FN 9	ve function	5/3 closed
Standard nominal flow rate 450 l/min Operating pressure 3 10 bar Design structure Piston slide Type of reset mechanical spring Protection class IP65 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 VMA 24563 Manual override Pushing Type of piloting Piloted Pilot air supply Internal Flow ater of valve 650 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min <td>e of actuation</td> <td>electrical</td>	e of actuation	electrical
Operating pressure 3 10 bar Design structure Piston slide Type of reset mechanical spring Protection class IP65 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 VDMA 24563 Manual override Pushing Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Signal status display LED Flow rate of valve 650 I/min Flow rate of valve on individual sub-base 500 I/min Flow rate of pneumatically linked valve 450 I/min Switching time off 30 ms Switching time reversal 20 ms Duty cycle 100 % Characteristic coil data 12 V DC: 1.8 W Permissible voltage fluctuation -15 % / 10 % Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note	ve size	18 mm
Design structure Piston slide Type of reset mechanical spring Protection class IP65 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 Manual override Pation supply Pushing Piloted Pushing Piloted Positive overlap Signal status display LED How rate of valve 650 l/min Flow arte of valve 650 l/min Flow rate of pneumatically linked valve 450 l/min Switching time on 18 ms Switching time on 18 ms Switching time on 15 % / 10 % Operating medium Compresed ari na accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Compresed ari na cordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Compresed ari na cordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Compresed ari na cordance with IS08573-	ndard nominal flow rate	450 l/min
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Protection class IP65 NEMA 4 NEMA 4 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 VDMA 24563 Manual override Pushing Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Signal status display LED Flow rate of valve on individual sub-base 500 l/min Flow rate of valve on individual sub-base 500 l/min Flow rate of pneumatically linked valve 450 l/min Switching time off 30 ms Switching time off 20 ms Switching time on 18 ms Switching time reversal 20 ms Duty cycle 100 % Characteristic coil data 12 V DC: 1.8 W Permissible voltage fluctuation -15 % / ±10 % Operating medium Compressed air in accordance with FIO8573-1:2010 [7:4:4] Note on ope	sign structure	Piston slide
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Type of pilotingPilotedPilot air supplyInternalFlow directionnon reversibleOverlapPositive overlapSignal status displayLEDFlow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumUrbircated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-27		VDMA 24563
Diot ar supplyInternalFlow directionnon reversibleOverlapPositive overlapSignal status displayLEDFlow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumTransport application test at severity level 2 in accordance with Fl 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	nual override	Pushing
Flow directionnon reversibleOverlapPositive overlapSignal status displayLEDFlow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-27	e of piloting	Piloted
OverlapPositive overlapSignal status displayLEDFlow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with IS08573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6	t air supply	Internal
Signal status displayLEDFlow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6	w direction	non reversible
Flow rate of valve650 l/minFlow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6	erlap	Positive overlap
Flow rate of valve on individual sub-base500 l/minFlow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-27	nal status display	LED
Flow rate of pneumatically linked valve450 l/minSwitching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-27	w rate of valve	650 l/min
Switching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-27	w rate of valve on individual sub-base	500 l/min
Switching time off30 msSwitching time on18 msSwitching time reversal20 msDuty cycle100 %Characteristic coil data12 V DC: 1.8 WPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	w rate of pneumatically linked valve	450 l/min
Switching time reversal 20 ms Duty cycle 100 % Characteristic coil data 12 V DC: 1.8 W Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27		30 ms
Duty cycle 100 % Characteristic coil data 12 V DC: 1.8 W Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 a 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	tching time on	18 ms
Characteristic coil data 12 V DC: 1.8 W Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	tching time reversal	20 ms
Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FI 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-7	y cycle	100 %
Operating medium Compressed air in accordance with ISO8573-1:2010[7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-7	aracteristic coil data	12 V DC: 1.8 W
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FI 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	missible voltage fluctuation	-15 % / +10 %
operation) Vibration resistance Transport application test at severity level 2 in accordance with FI 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	erating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Vibration resistance Transport application test at severity level 2 in accordance with FI 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27	e on operating and pilot medium	Lubricated operation possible (subsequently required for further
942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 a 60068-2-27		operation)
60068-2-27	ration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
	ock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
	rosion resistance classification CRC	
Medium temperature -5 50 °C		
Relative air humidity 0 - 90 %		
Sound pressure level 85 dB(A)	,	
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	•	
Ambient temperature -5 50 °C		
Max. tightening torque, valve mounting 1 Nm		

FESTO



FESTO

Feature	Value
Product weight	174 g
Electrical connection	Plug pattern type C to EN 175301-803
	Per DIN EN 175301-803
	Without mains earth
Mounting type	On sub-base
Auxiliary pilot air port 12	Connection plate size 18 mm, according to ISO 15407-1
Auxiliary pilot air port 14	Connection plate size 18 mm, according to ISO 15407-1
Pilot exhaust port 82/84	Not ducted as per standard
	Ducted
Pneumatic connection, port 1	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 2	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 3	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 4	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 5	Connection plate size 18 mm, according to ISO 15407-1
Pilot interface	According to ISO 15218
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast
Material screws	Steel
	Galvanised