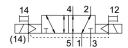
Solenoid valve VSVA-B-B52-ZH-A1-2AC1

FESTO

Part number: 547194





General operating condition

Data sheet

Valve function Type of actuation Electric Valve size 26 mm Standard nominal flow rate 1100 I/min pneumatic working port Sub-base size 26 mm to ISO 15407-1 Valve 17 mm to ISO 15407-1 Valve	Feature	Value
Valve size Standard nominal flow rate Standard nominal flow rate pneumatic working port Sub-base size 26 mm to ISO 15407-1 Sub-base size 01 to VDMA 24563 G1/4 Operating voltage 1100 AC Operating pressure -0.09 MPa 1.6 MPa Operating pressure 0.99 bar 16 bar Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To UK instructions for EMC Degree of protection P65 NEMA 4 Nominal size 9 mm Exhaust-air function Soft Mounting position Optional Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot air supply External Flow direction Reversible Symbol 00992941 Jupe Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 100 I/min Flow rate of valve Flow rate of valve Flow rate of valve Flow rate of valve interitined unter line interitined wither line intering line interitined inter	Valve function	5/2 double solenoid
Standard nominal flow rate pneumatic working port Sub-base size 26 mm to ISO 15407-1 Sub-base size 01 to VDMA 24563 G1/4 Operating voltage 110V AC Operating pressure -0.09 MPa 1.6 MPa Operating pressure -0.9 bar 16 bar Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To EW Low Voltage Directive Operating pressure 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDMA 24563 Manual override Non-detenting Type of piloting Pilot air supply External Flow direction Reversible Symbol Operating voltage 120 Signal status display UED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 1400 I/min Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve 1100 I/min Switching time reversal	Type of actuation	Electric
pneumatic working port Sub-base size 26 mm to ISO 15407-1 Sub-base size 01 to VDMA 24563 G1/4 Operating voltage 110V AC Operating pressure -0.09 MPa 1.6 MPa Operating pressure -0.99 bar 16 bar Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE mark (see declaration of conformity) To UK instructions for EMC Degree of protection IP65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol Iap Overlap Signal status display LED Pilot pressure 0 3 MPa 1 MPa Pilot pressure 1400 I/min Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve 1100 I/min Switching time reversal	Valve size	26 mm
Sub-base size 01 to VDMA 24563 G1/4 Operating voltage 110V AC Operating pressure -0.09 MPa 1.6 MPa Operating pressure -0.9 bar 16 bar Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To UK instructions for EMC Degree of protection P65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDMA 24563 Manual override Non-detenting Type of piloting Pilot air supply External Flow direction Reversible Symbol 00992941 Iap Overlap Signal status display UED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 1 bow rate of valve on individual sub-base Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve 1100 I/min Switching time reversal	Standard nominal flow rate	1100 l/min
Operating pressure Operating principle Operating (see declaration of conformity) Operating (see declaration of conformity Operating (see declaration of cult (see MacConformity) Operating (see declaration of cult (see Ma	pneumatic working port	Sub-base size 01 to VDMA 24563
Operating pressure Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To UK instructions for EMC Degree of protection P65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard Siso 15407-1 VDMA 24563 Manual override Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol Joogs 2941 Jap Overlap Signal status display LED Pilot pressure Josh Amaual supply Flow rate of valve on individual sub-base Itou rate of pneumatically interlinked valve Itou rate of pneumatically interlinked valve Switching time reversal 18 ms	Operating voltage	110V AC
Design Piston gate valve CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To UK instructions for EMC Degree of protection IP65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992941 Iap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Operating pressure	-0.09 MPa 1.6 MPa
CE mark (see declaration of conformity) CE marking (see declaration of conformity) To UK instructions for EMC IP65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Mounting position Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol Overlap Signal status display Pilot pressure 0.3 MPa 1 MPa Pilot pressure Flow rate of valve Flow rate of pneumatically interlinked valve Switching time reversal 18 ms	Operating pressure	-0.9 bar 16 bar
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Degree of protection IP65 NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992941 lap 0verlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 18 ms	CE mark (see declaration of conformity)	To EU Low Voltage Directive
NEMA 4 Nominal size 9 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992941 Iap 00verlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	CE marking (see declaration of conformity)	To UK instructions for EMC
Exhaust-air function Sealing principle Soft Mounting position Conforms to standard Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol O0992941 lap Overlap Signal status display LED Pilot pressure O.3 MPa 1 MPa Pilot pressure Jabar 10 bar Flow rate of valve Itom rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Sigt on the first option With flow control option Soft Soft And 1 MPa Journal option With flow control option Soft Soft And 1 MPa Journal option With flow control option Soft Soft And 1 MPa Journal option Jo	Degree of protection	I
Sealing principle Soft Mounting position Conforms to standard Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol Overlap Signal status display LED Pilot pressure O.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Sigt options 18 ms	Nominal size	9 mm
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Conforms to standard ISO 15407-1 VDMA 24563 Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992941 lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Sittching time reversal 18 ms	Sealing principle	Soft
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Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992941 lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Conforms to standard	
Pilot air supply External Flow direction Reversible Symbol 00992941 lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve Flow rate of valve on individual sub-base Flow rate of pneumatically interlinked valve Switching time reversal External Externa	Manual override	Non-detenting
Flow direction Reversible Symbol 00992941 lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Type of piloting	Pilot actuated
Symbol 00992941 lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Pilot air supply	External
lap Overlap Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Flow direction	Reversible
Signal status display LED Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Symbol	00992941
Pilot pressure 0.3 MPa 1 MPa Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	lap	Overlap
Pilot pressure 3 bar 10 bar Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Signal status display	LED
Flow rate of valve 1400 l/min Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Pilot pressure	0.3 MPa 1 MPa
Flow rate of valve on individual sub-base 1100 l/min Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Pilot pressure	3 bar 10 bar
Flow rate of pneumatically interlinked valve 1100 l/min Switching time reversal 18 ms	Flow rate of valve	1400 l/min
Switching time reversal 18 ms	Flow rate of valve on individual sub-base	1100 l/min
	Flow rate of pneumatically interlinked valve	1100 l/min
Duty cycle 100%	Switching time reversal	18 ms
(Duty cycle	100%
Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 2.9 VA, holding power 2.1 VA	Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 2.9 VA, holding power 2.1 VA
Permissible voltage fluctuations -15%/+10%	Permissible voltage fluctuations	-15%/+10%

Feature	Value
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 ℃ 50 ℃
Relative air humidity	0 - 90%
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 ℃ 50 ℃
Max. tightening torque for valve mounting	2 Nm
Product weight	305 g
Electrical connection	Type C With protective earth conductor To DIN EN 175301-803
Type of mounting	On sub-base
Auxiliary pilot air port 12	Sub-base size 26 mm to ISO 15407-1
Auxiliary pilot air port 14	Sub-base size 26 mm to ISO 15407-1
Pilot exhaust port 82/84	Ducted Not ducted Either:
Pneumatic connection, port 1	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 2	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 3	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 4	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 5	Sub-base size 26 mm to ISO 15407-1
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium
Material screws	Steel Galvanised