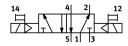
Air solenoid valve VSNC-F-B52-D-G14-F8-1B2

FESTO

Part number: 577296





General operating condition

Data sheet

Actuation type Electrical Width 32 mm Standard nominal flow rate 1350 I/min Pheumatic working port Operating yotlage 24V DC Operating pressure Operating pressure 0.15 MPa 1 MPa Operating type valve Certification cut us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011J Degree of protection IP65 IP67 With plug socket as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VE 38A5 (NAMUR) Manual override Detenting Non-detenting Type of control Plot-controlled Plot air supply port Internal Flow direction Non-reversible Symbol Op991005 Stape Signal status display With accessories b-value C value 5.6 I/sbar Changeover time 11 ms Duty cycle Coli characteristics 24 V DC: 3.3 W Permissible voltage fluctuations 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Feature	Value
Width 32 mm Standard nominal flow rate 1350 l/min Pneumatic working port NAMUR connection diagram Operating voltage 24V DC Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification CL UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011] Degree of protection Ple67 With plug socket as per IEC 60529 Exhaust air function Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991005 Lap Overlap Signal statu display With accessories b-value 0.4 C Value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% 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) Corrosion resistance class (CRC) 2-4 Moderate corrosion stress	Valve function	5/2, bistable
Standard nominal flow rate Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification Cut us - Recognized (Ot) Certification Pieson gate valve Certification Pieson gate valve Certification Pieson gate valve Certificate issuing authority Dogree of protection Pieson gate valve Exhaust air function With plug socket as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Lap Overlap Signal status display With accessories b-value C value C Alageover time Unity cycle 100% Coil characteristics 2 4 V DC: 3.3 W Permissible voltage fluctuations Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Actuation type	Electrical
Pneumatic working port Operating voltage Operating pressure Operating pressure One the standard Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification Cultus - Recognized (OL) Certificate issuing authority ObvGL-TAA000011) Degree of protection Piefo With plug socket as per IEC 60529 Exhaust air function Sealing principle Soft Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Piot control led Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991005 Lap Signal status display With accessories b-value O,4 C value C value C C value C C loose Coil characteristics 2 4 V DC: 3.3 W Permissible voltage fluctuations Operating medium Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Width	32 mm
Operating voltage 24V DC Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification C UL us - Recognized (OU) Certificate issuing authority DNVGL-TAA000011J Degree of protection Pie65 Pie67 With plug socket as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VOI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Internal Flow direction Non-reversible Symbol 00991005 Lap Overlap Signal status display With accessories b-value 0.4 Cvalue 5.6 lysbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations 4-/- 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Standard nominal flow rate	1350 l/min
Operating pressure Operating pressure 1.5 bar 1 0 bar Structural design Piston gate valve Certification Cut Lus - Recognized (Ot) Certificate issuing authority DNYGL-TAA000011J Degree of protection IP65 IP67 With plug socket as per IEC 60529 Exhaust air function Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0991005 Lap Signal status display With accessories Devalue 0.4 C value 5.6 I/sbar Changeover time 11 ms Duty cycle Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations Veriffer and Signal state of congressed 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Pneumatic working port	NAMUR connection diagram
Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification Cut us - Recognized (Ot) Certification Piestor [P65] Piestor [P67] With plug socket as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Lap Overlap Signal status display With accessories b-value O.4 C value 5.6 (I/Sbar Changeover time 11 ms Duty cycle Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Operating voltage	24V DC
Structural design Piston gate valve Certification c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011] Degree of protection Pie65 Pie67 With plug socket as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0991005 Lap Overlap Overlap Signal status display With accessories b-value 0.4 C value 5.6 I/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics Permissible voltage fluctuations 1.4 in premissible (required for further use) Corrosion resistance class (CRC) 2-Moderate corrosion stress	Operating pressure	0.15 MPa 1 MPa
Certification c UL us - Recognized (OL) Certificate issuing authority DNVGL-TAA000011J Degree of protection PF65 PF67 With plug socket as per IEC 60529 Exhaust air function Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Ooy91005 Lap Overlap Signal status display With accessories b-value O, 4 C value C value C value C coli characteristics Permissible voltage fluctuations Aper 100 Medicate on operating and pilot media Operation medium C operation presistance class (CRC) C value recipion operating and pilot media Operation with oil lubrication possible (required for further use) C ornosion resistance class (CRC) 2 - Moderate corrosion stress	Operating pressure	1.5 bar 10 bar
Certificate issuing authority Degree of protection With plug socket as per IEC 60529 Exhaust air function Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991005 Lap Overlap Signal status display With accessories b-value O.4 C value S.6 I/sbar Changeover time Duty cycle 100% Coil characteristics 2 4 V DC: 3.3 W Permissible voltage fluctuations 4 / 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Structural design	Piston gate valve
Degree of protection P65 P67 With plug socket as per IEC 60529	Certification	c UL us - Recognized (OL)
Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O991005 Lap Overlap Signal status display With accessories b-value O.4 C value S.6 I/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations +/- 10 % Operating medium Corrosion resistance class (CRC) 2- Moderate corrosion stress	Certificate issuing authority	DNVGL-TAA000011J
Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Operating Signal status display With accessories b-value C value C value S.66 I/sbar Changeover time 11 ms Duty cycle 110% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations Voperation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Degree of protection	IP67 With plug socket
Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991005 Lap Overlap Signal status display With accessories b-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Exhaust air function	With flow control option
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Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Lap Overlap Signal status display b-value C value C value S.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations 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) Corrosion resistance class (CRC)	Mounting position	Any
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Pilot air supply port Flow direction Non-reversible Symbol Ooy91005 Lap Overlap Signal status display With accessories b-value C value C value C value 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) Internal Non-reversible Non-reve	Manual override	
Flow direction Non-reversible Oo991005 Lap Overlap Signal status display With accessories b-value O,4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Type of control	Pilot-controlled
Symbol 00991005 Lap Overlap Signal status display With accessories b-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Pilot air supply port	Internal
Lap Overlap Signal status display With accessories b-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Flow direction	Non-reversible
Signal status display b-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Symbol	00991005
b-value 0.4 C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Lap	Overlap
C value 5.6 l/sbar Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Signal status display	With accessories
Changeover time 11 ms Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	b-value	0.4
Duty cycle 100% Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	C value	5.6 l/sbar
Coil characteristics 24 V DC: 3.3 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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Changeover time	11 ms
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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Duty cycle	100%
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) Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Coil characteristics	24 V DC: 3.3 W
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress	Permissible voltage fluctuations	+/- 10 %
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	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)
LABS (PWIS) conformity VDMA24364-B2-L	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
	LABS (PWIS) conformity	VDMA24364-B2-L

Feature	Value
Temperature of medium	-20 °C 60 °C
Ambient temperature	-20 °C 60 °C
Product weight	440 g
Electrical connection	3-pin Form B Plug As per industrial standard (11 mm)
Type of mounting	With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	G1/4
Pneumatic connection 2	NAMUR connection diagram
Pneumatic connection 3	G1/4
Pneumatic connection 4	NAMUR connection diagram
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Wrought aluminum alloy
Material of screws	Steel, galvanized