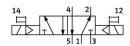
## Air solenoid valve VSNC-F-B52-D-G14-F8-1B2

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 yottage  24V DC  Operating pressure  Operating pressure  0.15 MPa 1 MPa  Operating authority  Electrication  Cut us - Recognized (OL)  Certification  Cut us - Recognized (OL)  Certificate issuing authority  DNVGL-TAA0000111  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   IP65   IP67   With plug socket as per IEC 60529    Exhaust air function Any  Conforms to standard VDI/VDE 3845 (NAMUR)  Manual override Detenting Non-detenting Non-detenting Non-detenting Pilot controlled   Internal    Flow direction Non-reversible   Operation    Symbol Operation Operation   Operation    Lap Overlap   Overlap   Overlap    Signal statu display With accessories    D-Value Scilyshar   Overlap    Corlinatoricitics 24 V DC: 3.3 W    Permissible voltage fluctuations   Operation with oil lubrication possible (required for further use)    Corposion resistance class (CRC)   2-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  Piot control eled  Non-detenting  Type of control  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Lap  Overlap  Signal status display  With accessories  b-value  C value  C Ale  C value  C Ale  C value  C C loangeover time  11 ms  Duty cycle  100%  Coli 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 Structural design Piston gate valve Certification Certificate issuing authority Degree of protection Piston gate valve Exhaust air function With flow control option Sealing principle Soft Mounting position Mounting position Mounting position Manual override Detenting Pipto of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Lap Signal status display With accessories b-value O, 4 C value C C value C C Lap Coli characteristics 2 4 V DC: 3.3 W Permissible voltage fluctuations Operating medium Information on operating and pilot media Operating medium Compressed air as per IEC 05273-1:2010 [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	Width	32 mm
Operating voltage 24V DC Operating pressure 0.15 MPa 1 MPa Operating pressure 1.5 bar 1 MPa Operating pressure 1.5 bar 10 bar Structural design Piston gate valve Certification cUL us - Recognized (OU) Certificate issuing authority DNVGL-TAA000011J Degree of protection Pie65 With plug socket as per EC 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 4.7 comperating and pilot media Operation with oil ubirication 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 O.4 C value S.6 I/sbar Changeover time 11 ms Duty cycle Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations Veriffer under four 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 VDI/VDE 3.3 W Permissible voltage fluctuations Operating medium C 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) C ornosion resistance class (CRC)  2 - Moderate corrosion stress	Operating pressure	1.5 bar 10 bar
Certificate issuing authority  DNVGL-TAA0000113  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 Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991005  Lap Overlap Signal status display b-value O.4  C value S.6 I/sbar  Changeover time In ms Duty cycle In 0% Coil characteristics 2 4 V DC: 3.3 W Permissible voltage fluctuations Prover under the display 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 100% Coil characteristics 24 V DC: 3.3 W Permissible voltage fluctuations Volverab (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
Conforms to standard  VDI/VDE 3845 (NAMUR)  Manual override  Detenting Non-detenting  Type of control  Pilot-controlled  Pilot-controlled  Pilot dir supply port  Internal  Flow direction  Non-reversible  Symbol  Ooyerlap  Signal status display  With accessories  b-value  C value  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	Sealing principle	Soft
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
Non-detenting  Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Ooy91005 Lap Overlap Signal status display With accessories b-value O.4 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)  Pilot-controlled Pilot-controlled Non-detenting Non-detenting Non-detenting Pilot-controlled Non-reversible Non-reversi	Conforms to standard	VDI/VDE 3845 (NAMUR)
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