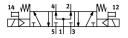
Air Solenoid valve VSNC-F-P53U-M-N14-F19A

FESTO

Part number: 8116407





General operating condition

Data sheet

Electrical Width 32 mm Standard nominal flow rate 950 1/min Poperating woltage Via solenoid coil, to be ordered separately Operating pressure 0.3 MPa 0.8 MPa Operating pressure 9.5 May 2 8 bar Structural design Piston gate valve Reset method Mechanical spring Richaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Symbol 00991083 Operating under the supply port Operating time off 390 ms Operating time off 390 ms On switching time off 390 ms Only trycycle 100% Conformation on operating and pilot media Operation with oil lubrication possible (required for further use) Operating medium Comprosite stress of the stress o	Feature	Value
Note that the standard nominal flow rate Presentative working port Presentative pressure Presentative pres	Valve function	5/3, pressurized
Standard nominal flow rate Preumatic working port Preumatic working pressure O.3 MPa O.8 MPa Deparating pressure Structural design Priston gate valve Priston gate valve Reset method Mechanical spring With flow control option Sealing principle Soft Mounting position Any Conforms to standard WDI/VDE 3845 (NAMUR) Manual override None Prilot-controlled	Actuation type	Electrical
Annumatic working port NAMUR connection diagram Via solenoid coil, to be ordered separately Operating pressure 0.3 MPa 0.8 MPa 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Reset method Mechanical spring Reset method With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Vilyope of control Pilot-controlled Internal Clow direction Non-reversible Symbol Operating time off On switching time off On switching time off On switching time Ado ms Changeover time Ado ms Changeover time Ado ms Changeover time Ado ms Changeover time Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATE	Width	32 mm
Deperating voltage Via solenoid coil, to be ordered separately Operating pressure 0.3 MPa 0.8 MPa 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Schaust air function With flow control option Sealing principle Soft Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Vipe of control Pilot-controlled Internal Internal Internal Internal Internal Overlap Overlap Overlap Ovalue 2.1 1/Sbar Switching time off On switching time 440 ms Changeover time 433 ms Out y cycle Internal Observe the information on the certificate Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compression resistance class (CRC) 2. Moderate corrosion stress VDMA24364-B2-L	Standard nominal flow rate	950 l/min
Departing pressure Operating pressure 3 bar 8 bar Piston gate valve Reset method Mechanical spring With flow control option Sealing principle Soft Mounting position Any Conforms to standard Mounting osition Any Pilot-controlled	Pneumatic working port	NAMUR connection diagram
Aber and a specific pressure structural design Piston gate valve Reset method Mechanical spring Reset method With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Mounting position None Stype of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Conforms to Supply Internal Conforms the Supply Internal Confor	Operating voltage	Via solenoid coil, to be ordered separately
Reset method Reset	Operating pressure	0.3 MPa 0.8 MPa
Reset method Mechanical spring Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Vipe of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Operating time off On switching time off On switching time Changeover time Outy cycle Coll characteristics See solenoid coil, to be ordered separately Corporating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Corporating medium Corposion resistance class (CRC) ANY COMMANDAME Coll Corporating time off Operating medium Corposion resistance class (CRC) ANY COMMANDAME Coll Corporating time off Operating medium VDMA24364-B2-L	Operating pressure	3 bar 8 bar
Exhaust air function With flow control option Sealing principle Soft Mounting position Any Conforms to standard VDI/VDE 3845 (NAMUR) Manual override None Vipe of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Consideration Operating time off Conswitching time off Conswitching time Changeover time Duty cycle Coll characteristics Explosion prevention and protection Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating residence class (CRC) ABS (PWIS) conformity VDMA24364-B2-L	Structural design	Piston gate valve
Sealing principle Mounting position Any VDI/VDE 3845 (NAMUR) Manual override None Vipe of control Pilot-controlled Internal Non-reversible Symbol Overlap Overlap Overlap Overlap Overlap Overlap Overlap Switching time off On switching time Changeover time A35 ms Outy cycle Index off Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone resistance class (CRC) A85 (PWIS) conformity VDMA24364-B2-L	Reset method	Mechanical spring
Any Conforms to standard Confo	Exhaust air function	With flow control option
Tonforms to standard VDI/VDE 3845 (NAMUR) Manual override None Pilot-controlled Pilot air supply port Internal Non-reversible Symbol O0991083 Devalue O.5 Value O.5 Value O1,1 / Sbar Switching time off On switching time Outy cycle O1,1 / Shar Coll characteristics Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Corrosion resistance class (CRC) ABS (PWIS) conformity VDMA24364-B2-L	Sealing principle	Soft
Manual override Mone Pilot-controlled Pilot-controlled Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Operating Overlap Overlap Overlap Overlap Ostalue Os	Mounting position	Any
Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Overlap	Conforms to standard	VDI/VDE 3845 (NAMUR)
Internal Int	Manual override	None
Non-reversible Symbol Overlap Overlap Overlap Ovalue O.5 Cvalue On switching time off On switching time Overlap Overla	Type of control	Pilot-controlled
overlap Overlap Overlap Ovalue O.5 Cvalue Switching time off On switching time On switching time Overlap Overl	Pilot air supply port	Internal
Overlap Ovalue O.5 Cvalue O.5 Cvalue O.5 Switching time off On switching time Overlap Ovalue O.5 Switching time off On switching time Overlap	Flow direction	Non-reversible
Devalue 0.5 Evalue 2.1 l/sbar 390 ms On switching time off 390 ms Changeover time 440 ms Changeover time 435 ms Outy cycle 100% Coil characteristics See solenoid coil, to be ordered separately Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) 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 ABS (PWIS) conformity VDMA24364-B2-L	Symbol	00991083
2.1 l/sbar Switching time off 390 ms On switching time 440 ms Changeover time 435 ms Outy cycle 100% Coil characteristics See solenoid coil, to be ordered separately Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 ABS (PWIS) conformity	Lap	Overlap
Switching time off 390 ms 390 ms 440 ms Changeover time 435 ms Outy cycle 100% Coil characteristics See solenoid coil, to be ordered separately Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 ABS (PWIS) conformity VDMA24364-B2-L	b-value	0.5
Changeover time 435 ms Outy cycle 100% Coil characteristics Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Corrosion resistance class (CRC) 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	C value	2.1 l/sbar
Changeover time 435 ms Outy cycle 100% Coil characteristics See solenoid coil, to be ordered separately Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 ABS (PWIS) conformity VDMA24364-B2-L	Switching time off	390 ms
Duty cycle Toll characteristics See solenoid coil, to be ordered separately Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 ABS (PWIS) conformity VDMA24364-B2-L	On switching time	440 ms
See solenoid coil, to be ordered separately Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress VDMA24364-B2-L	Changeover time	435 ms
Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) 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 VDMA24364-B2-L	Duty cycle	100%
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Deparating 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 ABS (PWIS) conformity VDMA24364-B2-L	Coil characteristics	See solenoid coil, to be ordered separately
nformation on operating and pilot media Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)
Corrosion resistance class (CRC) 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity VDMA24364-B2-L	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium -20 °C 60 °C	LABS (PWIS) conformity	VDMA24364-B2-L
20 0 11 00 0	Temperature of medium	-20 ℃ 60 ℃

Feature	Value
Ambient temperature	-20 °C 60 °C
Product weight	619 g
Type of mounting	With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	NAMUR connection diagram
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	NAMUR connection diagram
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Wrought aluminum alloy
Material of screws	Steel, galvanized