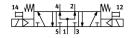
## Air Solenoid valve VSNC-F-P53U-MH-N14-F19A

**FESTO** 

Part number: 8116395





General operating condition

## **Data sheet**

Valve function 5/3, pressurized Actuation type Electrical Width 32 mm Standard nominal flow rate 950 l/min Pneumatic working port NAMUR connection diagram Operating voltage Via solenoid coil, to be ordered se Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Structural design Piston gate valve 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 Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991083 Lap 00verlap b-value 0.5 C value 2.1 l/sbar Switching time off 390 ms On switching time 440 ms Changeover time 435 ms Duty cycle 100% Coil characteristics See solenoid coil, to be ordered see to some some some sole of the control of the c	
Width 32 mm  Standard nominal flow rate 950 l/min  Pneumatic working port NAMUR connection diagram  Operating voltage Via solenoid coil, to be ordered so 0.3 MPa 0.8 MPa  Operating pressure 0.3 MPa 0.8 MPa  Operating pressure 3 bar 8 bar  Structural design Piston gate valve  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 Non-detenting  Type of control Pilot-controlled  Pilot air supply port Internal  Flow direction Non-reversible  Symbol 00991083  Lap 0verlap  D-value 0.5  C value 2.1 l/sbar  Switching time off 390 ms  Changeover time 440 ms  Changeover time 435 ms  Duty cycle 100%  Coil characteristics See solenoid coil, to be ordered so observe the information on the color of talks)  Zone 2 (ATEX)	
Standard nominal flow rate Pneumatic working port NAMUR connection diagram Operating voltage Via solenoid coil, to be ordered se Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Structural design Reset method Mechanical spring Exhaust air function Sealing principle Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Type of control Pilot air supply port Flow direction Symbol Lap Overlap D-value C value Switching time off On switching time off On switching time Changeover time Duty cycle Coil characteristics Explosion prevention and protection Operating medium Compressed air as per ISO 8573- Compressed air as per ISO 8573- Compressed air as per ISO 8573-	
Pneumatic working port Operating voltage Operating pressure Structural design 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 Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Operating D-value O.5 C value O.5 C value O.5 C value On switching time off On switching time A40 ms Changeover time Outy cycle Coil characteristics Explosion prevention and protection Operating medium Compressed air as per ISO 8573-	
Operating voltage Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Structural design Reset method Reset method Mechanical spring Exhaust air function With flow control option Sealing principle Soft Mounting position Conforms to standard Mon-detenting Type of control Pilot air supply port Internal Flow direction Symbol Operating Devalue O.5 C value O.5 C value O.5 Switching time off On switching time Augustanta of the supply and the supply supply port On switching time Augustanta of the supply and the suppl	
Operating pressure Operating pressure Operating pressure 3 bar 8 bar Structural design Reset method Reset method Mechanical spring Exhaust air function Sealing principle Soft Mounting position Conforms to standard VDI/VDE 3845 (NAMUR) Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991083 Lap Overlap b-value O.5 C value 2.1 l/sbar Switching time off On switching time 440 ms Changeover time 435 ms Duty cycle Coil characteristics See solenoid coil, to be ordered s Explosion prevention and protection Operating medium Compressed air as per ISO 8573-1	
Operating pressure  Structural design Reset method Reset method Reset method  Mechanical spring Exhaust air function Sealing principle Soft Mounting position Conforms to standard Mon-detenting Type of control Pilot air supply port Pilot air supply port Pilot air supply port Povalue Covalue Soft Overlap D-value Oos C value Sutching time off On switching time Changeover time Duty cycle Coil characteristics Explosion prevention and protection Operating medium Compressed air as per ISO 8573-1	eparately
Structural design Reset method	
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 Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991083 Lap Overlap b-value 0.5 C value 2.1 l/sbar Switching time off 390 ms On switching time 440 ms Changeover time 435 ms Duty cycle 100% Coil characteristics See solenoid coil, to be ordered sexplosion prevention and protection  Observe the information on the control of the c	
Exhaust air function  Sealing principle  Soft  Mounting position  Conforms to standard  VDI/VDE 3845 (NAMUR)  Manual override  Type of control  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Lap  Overlap  b-value  C value  2.1 l/sbar  Switching time off  On switching time  Changeover time  Duty cycle  Coil characteristics  Explosion prevention and protection  Operating medium  With flow control option  Any  VDI/VDE 3845 (NAMUR)  Non-detenting  Pilot-controlled  Internal  Polot-controlled  Overlap  0.0991083  Lap  Overlap  0.5  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  Observe the information on the colonic of the information of the information on the colonic of the information of the inform	
Sealing principle  Mounting position  Any  Conforms to standard  VDI/VDE 3845 (NAMUR)  Manual override  Type of control  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Lap  Overlap  b-value  0.5  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  Operating medium  Compressed air as per ISO 8573-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	
Mounting position  Conforms to standard  VDI/VDE 3845 (NAMUR)  Manual override  Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Lap  Overlap  b-value  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  Changeover time  Duty cycle  Coil characteristics  Explosion prevention and protection  Observe the information on the control of th	
Conforms to standard  Manual override  Type of control  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Lap  Overlap  b-value  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  Changeover time  Duty cycle  Coil characteristics  Explosion prevention and protection  Operating medium  VDI/VDE 3845 (NAMUR)  Non-detenting  Pilot-controlled  Pilot-con	
Manual override Type of control Pilot air supply port Pilot air supply port Pilot direction Non-reversible Symbol Lap Overlap b-value O.5 C value 2.1 l/sbar Switching time off On switching time Changeover time A40 ms Duty cycle Coil characteristics Explosion prevention and protection Operating medium Operating medium Non-detenting Non-reversible Overlap Overlap Overlap  4.5 bar Switching time 440 ms Changeover time A35 ms Duty cycle Coil characteristics See solenoid coil, to be ordered s Explosion prevention and protection Observe the information on the correction of	
Type of control Pilot air supply port Internal Plow direction Non-reversible Symbol O0991083  Lap Overlap b-value O.5 C value 2.1 l/sbar Switching time off 390 ms On switching time 440 ms Changeover time 435 ms Duty cycle 100% Coil characteristics See solenoid coil, to be ordered s Explosion prevention and protection Observe the information on the cordinate of the	
Pilot air supply port  Flow direction  Non-reversible  Symbol  Lap  Overlap  b-value  0.5  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  435 ms  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  Observe the information on the content of the conten	
Flow direction  Symbol  O0991083  Lap  Overlap  b-value  O.5  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  435 ms  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  See solenoid coil, to be ordered sole	
Symbol  Lap  Overlap  b-value  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  435 ms  Duty cycle  Coil characteristics  Explosion prevention and protection  Coserve the information on the cost one 2 (ATEX)  Zone 2 (ATEX)  Zone 22 (ATEX)  Compressed air as per ISO 8573-7	
Lap D-value O.5 C value 2.1 l/sbar Switching time off 390 ms On switching time 440 ms Changeover time 435 ms Duty cycle 100% Coil characteristics See solenoid coil, to be ordered s Explosion prevention and protection Consumption on the consumption of the consu	
b-value  C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  435 ms  Duty cycle  100%  Coil characteristics  See solenoid coil, to be ordered s  Explosion prevention and protection  Observe the information on the control of the control	
C value  2.1 l/sbar  Switching time off  390 ms  On switching time  440 ms  Changeover time  435 ms  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  Observe the information on the control of the control	
Switching time off 390 ms  On switching time 440 ms  Changeover time 435 ms  Duty cycle 100%  Coil characteristics See solenoid coil, to be ordered see solenoid coil	
On switching time  Changeover time  435 ms  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  See solenoid coil, to be ordered solenoid protection  Observe the information on the control of	
Changeover time  Duty cycle  100%  Coil characteristics  Explosion prevention and protection  Observe the information on the control of the c	
Duty cycle  Coil characteristics  Explosion prevention and protection  Observe the information on the control of the control o	
Coil characteristics  Explosion prevention and protection  Cone 1 (ATEX)  Zone 2 (ATEX)  Zone 21 (ATEX)  Zone 22 (ATEX)  Operating medium  Compressed air as per ISO 8573-7	
Explosion prevention and protection  Observe the information on the control of th	
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-3	eparately
	ertificate
Information on operating and pilot media Operation with oil lubrication pos	1:2010 [7:4:4]
	sible (required for further use)
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	
LABS (PWIS) conformity VDMA24364-B2-L	
Temperature of medium -20 °C 60 °C	

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