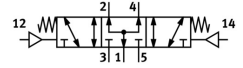


# Solenoid valve VSNC-F-P53U-M-N14-P2

Part number: 8114701

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
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 separately
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	None
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991728
Lap	Overlap
b-value	0.5
C value	2.1 l/sbar
Switching time off	15 ms
On switching time	6 ms
Changeover time	7 ms
Duty 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
LABS (PWIS) conformity	VDMA24364-B2-L
Temperature of medium	-20 °C ... 60 °C

<b>Feature</b>	<b>Value</b>
Ambient temperature	-20 °C ... 60 °C
Product weight	428 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