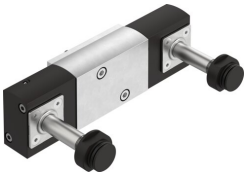
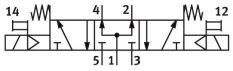
Air Solenoid valve
VSNC-F-P53U-M-N14-F19

Part number: 8116405





Data sheet

Feature	Value
Valve function	5/3-way, pressurized
Actuation type	Electrical
Width	32 mm
Normal nominal flow rate (normalized to DIN 1343)	950 l/min
Pneumatic working port	NAMUR connection pattern
Operating 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
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	None
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
b-value	0.5
C value	2.1 l/sbar
Switching time off	85 ms
On switching time	24 ms
Changeover time	60 ms
Duty cycle	100%
Coil characteristics	See solenoid coil, to be ordered separately
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
Ambient temperature	-20 °C...60 °C

Feature	Value
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 pattern
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	NAMUR connection pattern
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Wrought aluminum alloy
Material of screws	Galvanized steel