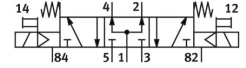


Solenoid valve VUVS-L25-P53U-MD-N14-FN

Part number: 8193000

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Valve function	5/3, pressurized
Actuation type	Electrical
Valve size	26.5 mm
Standard nominal flow rate	1000 l/min
Pneumatic working port	1/4 NPT
Operating pressure	0.25 MPa ... 0.8 MPa
Operating pressure	2.5 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
Manual override	Detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991034
Lap	Overlap
Pilot pressure MPa	0.25 MPa ... 0.8 MPa
Pilot pressure	2.5 bar ... 8 bar
b-value	0.4
C value	4.3 l/sbar
Switching time off	151 ms
On switching time	40 ms
Changeover time	98 ms
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)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Cleanroom class	Class 6 according to ISO 14644-1
Temperature of medium	-10 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	324 g
Venting hole connection	Not ducted
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	1/4 NPT
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Painted
Piston slide material	Wrought aluminum alloy
Material of screws	Steel, galvanized