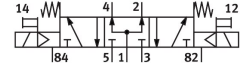


Solenoid valve

VUVS-L25-P53U-MD-N14-FN

Part number: 8193000

FESTO



Data sheet

Feature	Value
Valve function	5/3-way, pressurized
Actuation type	Electrical
Valve size	26.5 mm
Normal nominal flow rate (normalized to DIN 1343)	1000 l/min
Pneumatic working port	1/4 NPT
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive 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

Feature	Value
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
Cleanroom suitability, measured according to ISO 14644-14	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	Die-cast aluminum Painted
Piston slide material	Wrought aluminum alloy
Material of screws	Galvanized steel