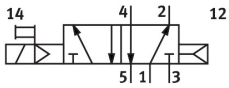
Air solenoid valve
VUVS-LK25-M52-AD-G14-1B2-S

Part number: 8043218





General operating condition

Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Valve size	26.5 mm
Standard nominal flow rate	1000 l/min
Pneumatic working port	G1/4
Operating voltage	24V DC
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65 With plug socket as per IEC 60529
Nominal width	6.7 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991049
Lap	Overlap
b-value	0.45
C value	3.86 l/sbar
Switching time off	22 ms
On switching time	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	2500 µs
Max. negative test pulse on 1 signal	1100 µs
Coil characteristics	24 V DC: 3.3 W
Permissible voltage fluctuations	+/- 10 %
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 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Temperature of medium	-5 °C ... 50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Product weight	250 g
Electrical connection	Form B As per industrial standard (11 mm)
Type of mounting	With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	G1/4
Pneumatic connection 2	G¼
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy
Piston slide material	Wrought aluminum alloy