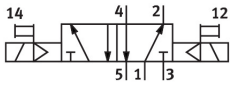
Air solenoid valve
VUVS-LK20-B52-D-G18-1C1-S

Part number: 8043215





General operating condition

Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Valve size	21 mm
Standard nominal flow rate	550 l/min
Pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Structural design	Piston gate valve
Degree of protection	IP65 With plug socket as per IEC 60529
Nominal width	5.2 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	00991005
Lap	Overlap
b-value	0.38
C value	2.66 l/sbar
Changeover time	10 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	2700 µs
Max. negative test pulse on 1 signal	1100 µs
Coil characteristics	24 V DC: 2.4 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
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

Feature	Value
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	200 g
Electrical connection	Form C as per EN 175301-803
Type of mounting	With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy
Piston slide material	Wrought aluminum alloy