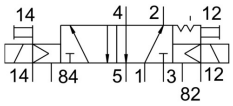
Air solenoid valve
VUVS-LT20-B52-ZD-G18-F7-1C1

Part number: 577518





Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Valve size	21 mm
Standard nominal flow rate	500 l/min
Pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	1.5 bar ... 10 bar
Structural design	Plate seat
Certification	c UL us - Recognized (OL)
Degree of protection	IP65 With plug socket as per IEC 60529
Nominal width	5 mm
Type code	VUVS
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	External
Flow direction	Non-reversible
Symbol	00995755
Lap	Underlap
Pilot pressure	1.5 bar ... 10 bar
b-value	0.27
C value	2.1 l/sbar
Changeover time	8 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1900 µs
Max. negative test pulse on 1 signal	2700 µs
Coil characteristics	24 V DC: 2.6 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 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
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	248 g
Electrical connection	Form C as per EN 175301-803
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
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 TPE-U(PU)
Housing material	Die-cast aluminum Painted
Material of screws	Steel, galvanized