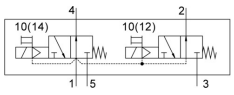
Solenoid valve
VUVS-LT20-T32U-MD-G18-F7-1C1

Part number: 577521



General operating condition

Data sheet

Feature	Value
Valve function	2x3/2-way, open, monostable
Type of actuation	Electric
Valve size	21 mm
Standard nominal flow rate	600 l/min
pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 bar ... 10 bar
Design	Poppet seat
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
Degree of protection	IP65 With plug socket To IEC 60529
Nominal size	5.2 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	Internal
Flow direction	Non-reversible
Symbol	00995470
lap	Underlap
b value	0.29
C value	2.3 l/sbar
Switching time off	23 ms
Switching time on	9 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1900 µs
Max. negative test pulse with 1 signal	2700 µs
Characteristic coil data	24 V DC: 2.6 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

Feature	Value
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 60 °C
Product weight	245 g
Electrical connection	Type C To EN 175301-803
Type of mounting	Either: On manifold rail With through-hole
Breather connection	Not ducted
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Note on materials	RoHS-compliant
Material seals	HNBR NBR TPE-U(PU)
Material housing	Die-cast aluminium Painted
Material screws	Galvanised steel