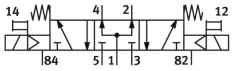
Air solenoid valve
VUVS-L20-P53U-MD-G18-F7-1C1

Part number: 575267





Data sheet

Feature	Value
Valve function	5/3-way, pressurized
Actuation type	Electrical
Valve size	21 mm
Normal nominal flow rate (normalized to DIN 1343)	600 l/min
Pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	0.25 MPa...1 MPa 2.5 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Degree of protection	IP65 With plug socket As per IEC 60529
Nominal width	4.8 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
b-value	0.35
C value	2.5 l/sbar
Switching time off	42 ms
On switching time	13 ms
Changeover time	21 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1900 µs
Max. negative test pulse on 1 signal	2700 µs

Feature	Value
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
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	263 g
Electrical connection	Type C As per EN 175301-803
Type of mounting	Alternatively: On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	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
Housing material	Die-cast aluminum Painted
Piston slide material	high-alloy stainless steel
Material of screws	Galvanized steel