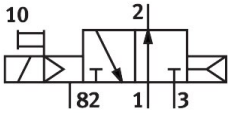
Air solenoid valve
VUVS-L20-M32U-AD-G18-F7

Part number: 575256



General operating condition

Data sheet

Feature	Value
Valve function	3/2, open, monostable
Actuation type	Electrical
Valve size	21 mm
Normal nominal flow rate (normalized to DIN 1343)	700 l/min
Pneumatic working port	G1/8
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - Recognized (OL)
Nominal width	5.7 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	00991656
Lap	Overlap
b-value	0.35
C value	2.9 l/sbar
Switching time off	21 ms
On switching time	14 ms
Max. positive test pulse with 0 signal	1900 µs
Max. negative test pulse on 1 signal	2700 µs
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

Feature	Value
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	138 g
Type of mounting	On terminal strip With through-hole
Venting hole connection	Not ducted
Pilot exhaust air port 82	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum Painted
Piston slide material	Wrought aluminum alloy
Material of screws	Steel, galvanized