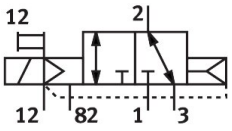
Solenoid valve
VUVS-L20-M32C-AZD-G18-F7-1C1

Part number: 575271



General operating condition

Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Type of actuation	Electric
Valve size	21 mm
Standard nominal flow rate (standardised to DIN 1343)	700 l/min
pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognized (OL)
Degree of protection	IP65 With plug socket To IEC 60529
Nominal size	5.7 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	External
Flow direction	Reversible
Symbol	00991406
lap	Overlap
Pilot pressure	0.25 MPa ... 1 MPa
Pilot pressure	2.5 bar ... 10 bar
b value	0.35
C value	2.9 l/sbar
Switching time off	21 ms
Switching time on	14 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 %

Feature	Value
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)
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
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Media temperature	-10 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	172 g
Electrical connection	Type C To EN 175301-803
Type of mounting	On manifold rail With through-hole
Breather connection	Not ducted
Pilot exhaust port 82	M5
Pilot air port 12	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
Material housing	Die-cast aluminium Painted
Material piston slide	Wrought aluminium alloy
Material screws	Galvanised steel