

Solenoid valve

VUVS-L30-M52-AD-G38-F8-1C1

FESTO

Part number: 575596



General operating condition

Data sheet

Feature	Value
Valve function	5/2-way, monostable
Type of actuation	Electric
Valve size	31 mm
Standard nominal flow rate (standardised to DIN 1343)	2300 l/min
pneumatic working port	G3/8
Operating voltage	24V DC
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 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	9.4 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	00991023
lap	Overlap
b value	0.4
C value	9.9 l/sbar
Switching time off	49 ms
Switching time on	24 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	2000 µs
Max. negative test pulse with 1 signal	3600 µs
Characteristic coil data	24 V DC: 3.3 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
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	500 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 84	M5
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	G3/8
Pneumatic connection, port 5	G3/8
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium Painted
Material piston slide	Wrought aluminium alloy
Material screws	Nickel-plated steel