

Solenoid valve

VUVS-LT30-B52-D-N38-F8

FESTO

Part number: 8036727



General operating condition

Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	Electric
Valve size	31 mm
Standard nominal flow rate (standardised to DIN 1343)	1800 l/min
pneumatic working port	3/8 NPT
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Design	Poppet seat
Approval	c UL us - Recognized (OL)
Nominal size	8.7 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	Internal
Flow direction	Non-reversible
Symbol	00995754
lap	Underlap
b value	0.3
C value	9.9 l/sbar
Switching time reversal	13 ms
Max. positive test pulse with 0 signal	2000 µs
Max. negative test pulse with 1 signal	3600 µs
Characteristic coil data	See solenoid coil, to be ordered separately
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

Feature	Value
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	438 g
Type of mounting	On manifold rail With through-hole
Breather connection	Not ducted
Pilot exhaust port 82	10-32 UNF-2B
Pilot exhaust port 84	10-32 UNF-2B
Pneumatic connection, port 1	3/8 NPT
Pneumatic connection, port 2	3/8 NPT
Pneumatic connection, port 3	3/8 NPT
Pneumatic connection, port 4	3/8 NPT
Pneumatic connection, port 5	3/8 NPT
Note on materials	RoHS-compliant
Material seals	HNBR NBR TPE-U(PU)
Material housing	Painted die cast aluminium
Material piston slide	POM
Material screws	Galvanised steel