Pneumatic valve
VUWS-L25-M52-E-G14
Part number: 575508
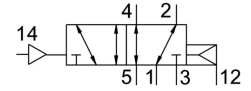
General operating condition

Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Pneumatic
Valve size	26.5 mm
Standard nominal flow rate	1300 l/min
Pneumatic working port	G1/4
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - Recognized (OL)
Nominal width	6.9 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	Direct
Pilot air supply port	External
Flow direction	Reversible
Symbol	00995404
Lap	Overlap
Pilot pressure MPa	0.25 MPa ... 1 MPa
Pilot pressure	2.5 bar ... 10 bar
Switching time off	32 ms
On switching time	15 ms
Explosion prevention and protection	Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
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
Temperature of medium	-10 ºC ... 60 ºC

Feature	Value
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 ℃ ... 60 ℃
Product weight	360 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	Not ducted
Pneumatic spring connection 12	M5
Pilot air port 14	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G¼
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
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