Solenoid valve
VUVG-L18-P53C-G14-P1
Part number: 8033556
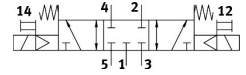
📄 General operating condition

Data sheet

Feature	Value
Valve function	5/3 closed
Type of actuation	Electric
Valve size	18 mm
Standard nominal flow rate (standardised to DIN 1343)	1200 l/min
pneumatic working port	G1/4
Operating pressure	0.3 MPa ... 0.8 MPa
Operating pressure	3 bar ... 8 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP65 With electric pilot valve and plug socket
Nominal size	6.5 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Type of piloting	Pilot actuated
Pilot air supply	Internal
Symbol	00992896
lap	Overlap
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Switching time off	32 ms
Switching time on	15 ms
Switching time reversal	21 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	700 µs
Max. negative test pulse with 1 signal	900 µs
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

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 5 according to ISO 14644-1
Media temperature	-5 ºC ... 60 ºC
Ambient temperature	-5 ºC ... 60 ºC
Product weight	136 g
Electrical connection	Via electric pilot valve
Type of mounting	On manifold rail With through-hole Either:
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy