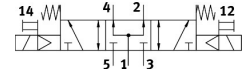


Solenoid valve VUVG-L18-P53U-G14-P1

Part number: 8033558

FESTO



Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electric
Valve size	18 mm
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	G1/4
Operating pressure	0.3 MPa...0.8 MPa 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	6.3 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Type of piloting	Pilot actuated
Pilot air supply	Internal
lap	Indefinite overlap
Pilot pressure	0.3 MPa...0.8 MPa 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

Feature	Value
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 class	Class 5 according to ISO 14644-1
Media temperature	-5 °C...60 °C
Ambient temperature	-5 °C...60 °C
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