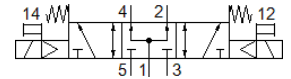
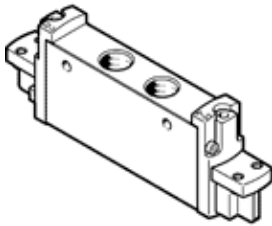


# solenoid valve

## VUVG-L18-P53U-G14-P1

Part number: 8033558

FESTO



## Data sheet

Feature	Value
Valve function	5/3 pressurised
Type of actuation	electrical
Valve size	18 mm
Standard nominal flow rate	1,000 l/min
Operating pressure MPa	0.3 ... 0.8 MPa
Operating pressure	3 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	c UL us - Recognized (OL)
Certificate issuing department	UL MH19482
Protection class	IP65 With electric pilot valve and plug socket
Nominal size	6.3 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Type of piloting	Piloted
Pilot air supply	Internal
Overlap	Indefinite overlap
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 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 logic 0	700 µs
Max. negative test pulse with logic 1	900 µs
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-5 ... 60 °C
Ambient temperature	-5 ... 60 °C
Product weight	136 g
Electrical connection	Via electric pilot valve
Mounting type	on manifold rail with through hole Optional
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4

Feature	Value
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Pilot interface	According to ISO 15218
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Material housing	Wrought Aluminium alloy