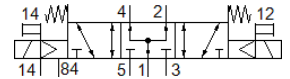
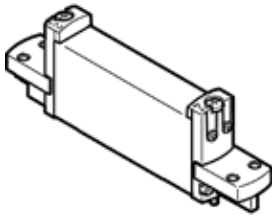


# Solenoid valve

## VUVG-B14-P53U-Z-F-P1

Part number: 8033546

FESTO



## Data sheet

Feature	Value
Valve function	5/3 pressurized
Type of actuation	electrical
Valve size	14 mm
Standard nominal flow rate	500 ... 600 l/min
Operating pressure MPa	-0.09 ... 1 MPa
Working pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorization	c UL us - Recognized (OL)
Certificate issuing department	UL MH19482
Protection class	IP65 With electric pilot valve and plug socket
Nominal size	5.6 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Type of piloting	Piloted
Pilot air supply	external
Lap	Positive overlap
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar
Suitability for vacuum	Yes
Switching time off	24 ms
Switching time on	14 ms
Switching time reversal	20 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
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 60 °C
Product weight	65 g
Electrical connection	Via electric pilot valve
Mounting type	on manifold rail
Pilot interface	According to ISO 15218
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Material housing	Wrought Aluminum alloy