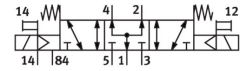
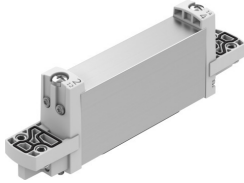


Air solenoid valve VUVG-B14-P53U-Z-F-P1

Part number: 8033546

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Valve function	5/3, pressurized
Actuation type	Electrical
Valve size	14 mm
Standard nominal flow rate	500 l/min ... 600 l/min
Pneumatic working port	Flange
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP65 With electrical pilot valve and plug socket
Nominal width	5.6 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Type of control	Pilot-controlled
Pilot air supply port	External
Symbol	00991128
Lap	Overlap
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Switching time off	24 ms
On switching time	14 ms
Changeover time	20 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	700 µs
Max. negative test pulse on 1 signal	900 µs
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

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 5 according to ISO 14644-1
Temperature of medium	-5 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 60 °C
Product weight	65 g
Electrical connection	Via electric pilot valve
Type of mounting	On terminal strip
Pilot interface	as per ISO 15218
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy