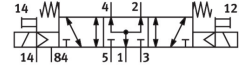
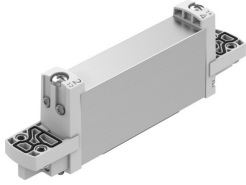


Solenoid valve VUVG-B14-P53U-Z-F-P1

Part number: 8033546

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electric
Valve size	14 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min ... 600 l/min
pneumatic working port	Flange
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 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	5.6 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Type of piloting	Pilot actuated
Pilot air supply	External
Symbol	00991128
lap	Overlap
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 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 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

Feature	Value
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
Pilot medium	Compressed air to 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 manifold rail
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy