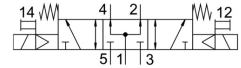
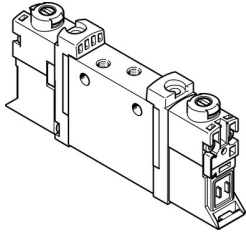


# Air solenoid valve VUVG-L10A-P53U-T-M3-1P3

FESTO

Part number: 566441



## Data sheet

Feature	Value
Valve function	5/3, pressurized
Lap	Indefinite overlap
Operating pressure	0.3 MPa ... 0.8 MPa
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	90 l/min
Pneumatic working port	M3
Operating voltage	24V DC
Operating pressure	3 bar ... 8 bar
Design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP40 IP65 With plug socket
Certification	RCM compliance mark c CSA us (OL) c UL us - Recognized (OL)
Nominal width	2 mm
Type code	VUVG
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting Covered
Type of control	Pilot-controlled
Pilot air supply port	Internal
Symbol	00992895
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	no
Switching time off	25 ms
On switching time	8 ms
Changeover time	14 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	700 µs
Max. negative test pulse on 1 signal	900 µs

Feature	Value
Coil characteristics	24 V DC: 1.0 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W
Permissible voltage fluctuations	+/- 10 %
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
Restricted ambient and media temperature	-5 - 50 °C Without holding power reduction
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	-5 °C ... 60 °C
Ambient temperature	-5 °C ... 60 °C
Product weight	49 g
Electrical connection	Via electrical sub-base
Type of mounting	Optionally: On terminal strip With through-hole
Pneumatic connection 1	M3
Pneumatic connection 2	M3
Pneumatic connection 3	M3
Pneumatic connection 4	M3
Pneumatic connection 5	M3
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy