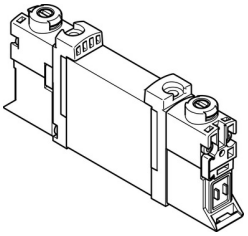
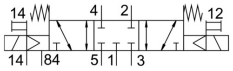
Air solenoid valve
VUVG-B10A-P53C-ZT-F-1P3

Part number: 566450





Data sheet

Feature	Value
Valve function	5/3, closed
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	90 l/min
Pneumatic working port	Flange
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	RCM compliance mark c UL us - Recognized (OL)
Degree of protection	IP40 IP65 With plug socket
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	External
Symbol	00991126
Lap	Overlap
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
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
Restricted ambient and media temperature	-5 - 50 °C Without holding power reduction
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
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	49 g
Electrical connection	Via electrical sub-base
Type of mounting	On terminal strip
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy