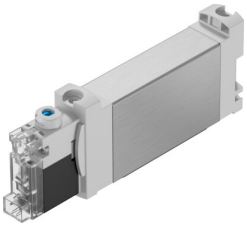
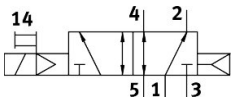
Air solenoid valve
VUVG-BK14-M52-AT-F-1H2L-S

Part number: 8042571





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Electrical
Valve size	14 mm
Normal nominal flow rate (normalized to DIN 1343)	380 l/min
Pneumatic working port	Flange
Operating voltage	24V DC
Operating pressure	0.25 MPa...0.7 MPa 2.5 bar...7 bar
Structural design	Piston slide with sealing ring
Reset method	Pneumatic spring
Certification	c UL us - recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP40
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
Signal status display	LED
Max. switching frequency	2 Hz
Switching time off	24 ms
On switching time	14 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse on 1 signal	3000 µs
Coil characteristics	24 V DC: 0.8 W
Permissible voltage fluctuations	+/- 10%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Temperature of medium	-5 °C...50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	65 g
Electrical connection	2-pin Connection diagram H, horizontal connection Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	Flange
Pneumatic connection 4	Flange
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy