Solenoid valve
VUVG-LK10-B52-T-M7-1H2L-F1A

Part number: 8173204
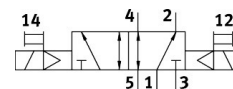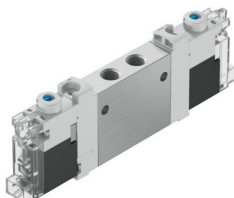
Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	340 l/min
Pneumatic working port	M7
Operating voltage	24V DC
Operating pressure	0.15 MPa...0.7 MPa 1.5 bar...7 bar
Structural design	Piston slide with sealing ring
Certification	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP40
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Overlap
Signal status display	LED
Max. switching frequency	2 Hz
Changeover time	8 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]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
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
Suitability for the production of Li-ion batteries	Product corresponds to Festo's internal product definition for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 6 according to ISO 14644-1
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	57 g
Electrical connection	2-pin Connection diagram H, horizontal connection Plug
Type of mounting	On terminal strip With through-hole Optionally:
Pneumatic connection 2	M7
Pneumatic connection 4	M7
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy